

DX LISTENING DIGEST 16-26, June 29, 2016
Incorporating REVIEW OF INTERNATIONAL BROADCASTING
edited by Glenn Hauser, <http://www.worldofradio.com>

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[also link to previous years]

NOTE: If you are a regular reader of DXLD, and a source of DX news but have not been sending it directly to us, please consider yourself obligated to do so. Thanks, Glenn

WORLD OF RADIO 1832 CONTENTS: *DX and station news about:
Algeria non, Bangladesh, Bhutan, Bougainville, Brazil and non, Canada, China, Guyana, India, Indonesia, International Internet, Kashmir, Korea South, Myanmar, New Zealand, Oklahoma and non, Oman, Russia and non, S,,o TomÈ, Uganda non, USA and non, Vanuatu

SHORTWAVE AIRINGS of WORLD OF RADIO 1832, June 30-July 6, 2016

Thu 1130	WRMI	9955 [confirmed]
Thu 2100	WRMI	13695 [confirmed]
Thu 2330	WBCQ	9330v-CUSB [confirmed]
Fri 2130	WRMI	15770 [confirmed]
Fri 2130	WRMI	13695 [confirmed]
Fri 2330	WBCQ	9330v-CUSB [confirmed]
Sat 0630	HLR	6190-CUSB Hamburger Lokalradio
Sat 1430	HLR	7265-CUSB Hamburger Lokalradio
Sat 1930v	WAØRCR	1860-AM
Sat 2230	WBCQ	9330v-CUSB
Sun 0310v	WAØRCR	1860-AM
Sun 2330	WBCQ	9330v-CUSB
Mon 0030	WRMI	7730
Mon 0300v	WBCQ	5130v-AM Area 51
Mon 0330	WRMI	9955
Mon 2330	WBCQ	9330v-CUSB
Tue 1100	WRMI	9955
Tue 2130	WRMI	15770
Tue 2330	WBCQ	9330v-CUSB
Wed 1315	WRMI	9955
Wed 2100	WBCQ	7490v

Wed 2330 WBCQ 9330v-CUSB

Latest edition of this schedule version, including AM, FM, satellite and webcasts with hotlinks to station sites and audio, is at:

<http://www.worldofradio.com/radioskd.html> or

<http://schedule.worldofradio.org> or <http://sked.worldofradio.org>

For updates see our Anomaly Alert page:

<http://www.worldofradio.com/anomaly.html>

WORLD OF RADIO PODCASTS:

Tnx to Dr Harald Gabler and the Rhein-Main Radio Club.

<http://www.rmrc.de/index.php/rmrc-audio-plattform/podcast/glenn-hauser-wor>

ALTERNATIVE PODCASTS, tnx Stephen Cooper:

<http://shortwave.am/wor.xml>

AND ANOTHER PODCAST ALTERNATIVE, tnx to Keith Weston:

<http://feeds.feedburner.com/GlennHausersWorldOfRadio>

AND NEW!! NOW tnx to Keith Weston, Podcasts via iTunes:

<https://itunes.apple.com/us/podcast/glenn-hausers-world-of-radio/id1123369861>

AND EVEN NEWER!! Tnx to Keith Weston, via Google Play Music:

<http://bit.ly/worldofradio>

OUR ONDEMAND AUDIO:

<http://www.worldofradio.com/audiomid.html>

or <http://wor.worldofradio.org>

DAY-BY-DAY ARCHIVE OF GLENN HAUSER'S LOG REPORTS:

Unedited, uncondensed, unchanged from original version, many of them too complex, minutely researched, multi-frequency, opinionated, inconsequential, off-topic, or lengthy for some log editors to manage; and also ahead of their availability in these weekly issues:

<http://www.hard-core-dx.com/index.php?topic=Hauser>

NOTE: I have *resolved* to make DXLD leaner, more selective, as I seriously need to reduce my workload, much of which has been merely editing gobs of material into presentable form. This makes it even more important to be a member of the DXLD yg for additional material which may not make it into weekly issues (gh)

DXLD YAHOOGROUP: Why wait for DXLD? A lot more info, not all of it appearing in DXLD later, is posted at our yg without delay.

When applying, please identify yourself with your real name and location, and say something about why you want to join. Those who do

not, unless I recognize them, will be prompted once to do so and no action will be taken otherwise. Here's where to sign up:
<http://groups.yahoo.com/group/dxld/>

** ALASKA. 11765, KNLS, 1416-1420+ 19 June. Inspirational chat, songs by Bananarama, Michael Bolton, free Bible offer [p-mail: KNLS, Anchor Point, AK 99556 and e-mail: KNLS@aol.com). *1400+ 20 June. IS, opening ID and program review with Rob and Lucy ["American Highway", "God's Money", "Creation Moments" and DX news with Carl Mann (Dan Sheedy, Moonlight Beach, CA, PL380/6m X wire [v.2.0], DX LISTENING DIGEST)

11765, June 28 at 1450, choral gospel music, S9+10 with splash from 11760 RHC. HFCC shows English hours at 14-15 on 11765 both from CRI via Urumqi and from KNLS Anchor Point, but I assume the latter (Glenn Hauser, OK, DX LISTENING DIGEST)

** ALBANIA. Hello Drita, The same problem was also affecting the transmission in ALBANIAN today [23rd June) at 0800 UT+ on 7390 kHz. The signal level was fairly good, but there was hardly any modulation of the broadcast. I could hear voices, but very weak, and in the background only. There was some 'hum' but this was not the main problem. I'm quite sure that the broadcast would have been totally unintelligible to most listeners. I will try the evening transmissions later today on 7465 kHz and let you know what I hear then. Greetings from a warm and sunny Blackpool (Noel Green, via DX LISTENING DIGEST)

7464.976. Radio Tirana Shijak, Italian service noted at 1658-1712 UT on June 23. Transmitter FAULTY performance, no real audio heard, no interval signal, no voice, no music parts on reliable signal level.

Listen to enclosed recording in ogg.format, and two screenshot taken in Italy and Belgium remote SDR unit installations, audio signal visible like a wide GARDEN FENCE single-each string signal. 73 wolffy df5sx (Wolfgang B.schel, ibid.)

Yes, and the same here with me. The signal strength was good, but there was little or no recognisable audio - it was very difficult to tell what the language was (even though I knew it was Italian)

There was also a loud him / buzz type noise accompanying the audio which made things even worse. Something requires urgent attention, Drita. Greetings from (Noel Green, ibid.)

9854.95, June 24 at 0124, R. Tirana is still suffering from extreme dysfunction: hum-roar making the IS barely audible underneath. 0130 sign-on completely unreadable, and still the same at 0148. This Shijak signal is only S5, while over at Cîrrik, the Chinese are putting out S9+30 clearly modulated, for the CRI English relay on 9570.

9854.95, June 25 at 0127, R. Tirana at S5 with IS under the same humroar it's been putting out for at least a week; 0130 I can tell the canned sign-on is playing, but with extreme distortion. Still awful at 0151. How much longer will this go on? Wolfgang B,schel and Noel Green agree that the evening broadcasts to Europe on 7465 have the same defect (and probably the morning on 7390) (Glenn Hauser, OK, DX LISTENING DIGEST)

Radio Tirana with awful modulation, extreme distortion, June 25:
0700-0900 7390 SHI 100 kW / 310 deg to WeEu Albanian Daily, relay HS-1
1700-1730 7465 SHI 100 kW / 310 deg to SoEu Italian Mon-Sat
1730-1800 7465 SHI 100 kW / 310 deg to WeEu French Mon-Sat
1931-2000 7465 SHI 100 kW / 310 deg to WeEu German Mon-Sat
2000-2030 7465 SHI 100 kW / 310 deg to U.K. English Mon-Sat
<http://swldxbulgaria.blogspot.bg/2016/06/radio-tirana-with-awful-modulation.html>
-- 73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

7465, June 25 at 1754 via the UTwente SDR, R. Tirana with folk music which would have been quite nice were it not for the distortion and hum. Ivo Ivanov, Bulgarian monitor, agrees that all the RT broadcasts to Europe are also this way [as above] (Glenn Hauser, OK, DX LISTENING DIGEST)

7389.974 kHz, Still distorted audio outlet of shortwave at Shijak Albania, noted HEAVY BUZZ tone at 0725 UT on June 26. S=9+15dB signal heard in southern Germany, France, Switzerland and Italy. regards de (Wolfy from Stuttgart Germany, DX LISTENING DIGEST)

9854.972, June 28 at *0120, R. Tirana comes on, still with big humroar atop interval signal; 0140 check, program audio is so buried it's unreadable. Radio Tirana desperately needs to do something about this; there is no point in continuing to transmit until this defect be repaired. I'm sure a few relays via e.g. German or US transmitters could be arranged at not much cost for a national broadcaster (Glenn Hauser, OK, DX LISTENING DIGEST)

7464.975, Radio Tirana Shijak, German service noted at 1930-1945 UT on June 28. Transmitter FAULTY performance, VERY BAD audio heard, all transmission is covered by a HEAVY BUZZ tone. Listen to enclosed recording in mp3.format, audio signal visible like a wide GARDEN FENCE single-each string signal. Signal strength here in western Europe and in southern Germany is S=9+30Db or -43dBm on SDR unit. 73 wolffy df5sx (Wolfgang B,schel, DX LISTENING DIGEST)

Albania, listen to the enclosed mp3 format recording. Totally distorted audio this June 29 morning, relay HS1 via SW 7390v kHz outlet in 41 mb.

Werner S.: kannst Du die MP3 File mal an Astrit im Funkhaus Tirana schicken, und ihn informieren, dass seit 2 Wochen das Shijak Signal qualit%tsm%ssig unterirdisch ,ber den fther kommt, und in Shijak der Sender unbedingt justiert und repariert geh^rt.

Die k^nnen sich doch mal von den chinesischen Ingenieuren in Cerrik 'helfen' lassen, in Shijak sind doch auch 2 chines. Sender im Einsatz, aber dazu sind die Albaner viel zu stolz ????? 73 (wolfy wwdxc germany topnews via DXLD)

9855-, June 30 at 0130, R. Tirana, poor signal and still transmitting humroar way above the English program modulation level (Glenn Hauser, OK, DX LISTENING DIGEST)

** ALGERIA [non]. See UNIDENTIFIED. 9655.00

** ARGENTINA. 15345. June 23, 2016. 1005-1010, RAE, Gral Pacheco. RAE continues off air in this frequency and time.

15345. June 23, 2016. 2102-2107, RAE, Gral Pacheco. Continues sign off; dead air. Parallel 6060, s/off; Parallel 11710, itYs CRI in French. Unfortunate! What's happening? (DXer: JosÈ Ronaldo Xavier, Location: Cabedelo-PB, Brazil, RX (s): Degen DE1103 + Tecsun S-2000. Antenna: Portable Telescopic. Latest HF Propagation: 78-14-3 (Unsettled). Hard-Core-DX mailing list via DXLD)

11711.97, June 24 at 0121, JBA carrier here but nothing on 11710.6 to 11710.7, usual area for RAE, so is this it? Nor anything on 15344v, and shortly 11711.97 is gone too. Still nothing at 0210 final check.

15343.924, June 24 at 1341, JBA carrier no doubt from LRA, so back on the air after missing from 11711v during the early UT hours of same day. Wolfgang B,schel agrees, ``Yes Glenn, nothing heard out of RAE Argentine, when checked both 11710 and 15343v kHz in night June 23 / 24. wb``(Glenn Hauser, OK, DX LISTENING DIGEST)

ARGENTINA (Returns on air but...) 15345. June 24, 2016. 2006-2017, RAE, Gral. Pacheco, in French. Music, YL/OM talks in French, news presumed; A song. Very distorted sound and weak to poor signal, 25431 (sometimes, 35432). (Manuel MÈndez, Lugo, Spain, Logs in Reinante, Tecsun PL-880, Sangean ATS 909X, Cable antenna, 8 meters, dxldyg via DX LISTENING DIGEST)

15345. June 24, 2016. 2222-2227, RAE, Gral Pacheco. No signal, off air (DXer: JosÈ Ronaldo Xavier (JRX), Location: Cabedelo-PB, Brazil (UT - 3), RX (s): Sony ICF-SW100S, Antenna: Portable Telescopic; Latest HF Propagation: 78-14-3 (Unsettled), Hard-Core-DX mailing list via DXLD)

11710.39, June 25 at 0056, JBA S1 carrier, presumed RAE is back on air, barely (Glenn Hauser, OK, DX LISTENING DIGEST)

15343.72, Radio Nacional, General Pacheco, 1544-1620, 25-06, Spanish, soccer Copa America comments: "Mañana domingo 25 final Copa América Centenario Argentina-Chile, por Nacional, la radio de todos". 24322. (Manuel Méndez, Lugo, Spain, Logs in Reinante, Tecsun PL-880, Sangean ATS 909X, Cable antenna, 8 meters, dxldyg via DX LISTENING DIGEST)

15343.90, UT Sun June 26 at 0238, R. Nacional is still on in lilting Spanish at S3.

15343.90, June 27 at 0119, S3 Radio Nacional with hyper-enthusiastic silly ballgame coverage, but seemingly interrupted by brief commercials during lulls. Argentina is obviously one of the teams, and as a matter of fact this is the finale of the Copa América, vs Chile, as per promotion on Univisión which has scheduled it until 0200 UT. So one last try to find any SSB feeders carrying this from Chile or Argentina: still nothing on 12365-USB, nor from anything in a bandscan all the way from 12 to 16 MHz in the next few minutes (Glenn Hauser, OK, DX LISTENING DIGEST)

Log: 15343, 925 kHz / RAE, Mandarin / 1022 UT, SINPO 2533 2-3. 73 (Michael Grabovski, NRD-525G, Winradio G31DDC, Mini-Whip PAÿRDT, HDLA-6, June 28, A-DX via Wolfgang B_schel, DXLD)

Jetzt um 2000 UT, der RAE Franz^sisch Dienst auf Sendung, kein sauberes Audio Signal, irgendwie _bersteuert, obwohl Bandbreite um die 12 kHz, m_sste ein exzellentes Audiosignal ergeben. L%uft z.Zt. noch etwas nach unten weg, unstabil, z.Zt. bei 15343.935 kHz. S=9+30dB oder -43dBm Signalst%rke auf mehreren SDR remote Ger%tschaften in Zentraleuropa. 2009 UT ein Lied aus den 30er Jahren wie Rosita Serano Chile Style. 73 wb (Wolfgang B_schel, DX LISTENING DIGEST)

** AUSTRIA. 9690.0, June 26 at 0254, choral South Asian song at S5. It's amid the AWR Urdu/Punjabi hour via Moosbrunn (Glenn Hauser, OK, DX LISTENING DIGEST)

** AZERBAIJAN. Ictimai Radio with broadband FM modulation on June 23 from 1045 on 9676.9 unknown tx/unknown to CeAs Azeri, fair signal http://swldxbulgaria.blogspot.bg/2016/06/ictimai-radio-with-broadband-fm_23.html -- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30 m. long wire, dxldyg via DX LISTENING DIGEST)

** BAHRAIN [and non]. Reception of Radio Bahrain, June 28:
1510-1615 on 9745*ABH 010 kW / non-dir N/ME Arabic CUSB, relay 98.4FM
* strong QRM 9750 YAM 300 kW / 290 deg EaAs Japanese Radio Japan NHK

<http://swldxbulgaria.blogspot.com/2016/06/reception-of-radio-bahrain-june-28.html>
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, June 28, dxldyg via DXLD)

** BANGLADESH. 4750, Bangladesh Betar (Home Service), 1252, June 27. Islamic Maghrib (evening prayer, just after sunset) call-to-prayer; 1300-1305 news in assume Bangla; several clear IDs; RRI Makassar (4749.95) currently off the air; very light CNR1 QRM (Ron Howard, Pacific Grove, CA, EtÛn E1, antenna: Par Electronics EF-SWL, dxldyg via WORLD OF RADIO 1832, DX LISTENING DIGEST)

(Continues with good reception): 13580. June 24, 2016. 1850-1859, Bangladesh Betar, Dhaka, in English. OM talks; a song (the old hit "California"), ID, Address, sked in English; 1900 s/off. Good signal and fair modulation, 45433 (DXer: Jos  Ronaldo Xavier (JRX), Location: Cabedelo-PB, Brazil (UTC-3), RX (s): Sony ICF-SW100S, Antenna: Portable Telescopic; Latest HF Propagation: 78-14-3 (Unsettled), Hard-Core-DX mailing list WORLD OF RADIO 1832, DXLD)

I got a QSL from Radio Bangladesh Betar for reception - 10.01.2016, 1515-1545 UT at a frequency of 15505 kHz. The card - a woman running on the field with sweet potatoes. The report sent by e-mail to the address: rrc @ dhaka.net. Also sent icon emblem Bangladesh Betar (Dmitry Kutuzov, Ryazan, Russia / "deneb-radio-dx", via QSL World, RusDX June 26 via DXLD)

** BHUTAN [and non]. 6035.0, BBS on June 24 noted PBS Yunnan again with non-stop classical western instrumental music 1207 till ending audio at 1209, but seemed to leave transmitter on with open carrier; BBS noted with usual format till off at 1217*, when I was still hearing the PBS open carrier.

June 26 with BBS running much later than normal. PBS Yunnan closed down about 1200, leaving BBS in the clear; 1227-1230 chanting/singing with indigenous music; 1230-1257 the normal Sunday program with YL chatting on the phone with mostly young girls; 1257-1300 indigenous music; 1300-1310 seemed to be news in vernacular; 1310, 1313, 1315 usual brief indigenous instrumental music; 1315 back to chatting on the phone, but this segment with adult caller and who sang over the phone (no music), so must have been giving amateurs a chance to air their talent; suddenly off at 1328*. My local sunrise at 1251 and Thimphu sunset at 1300, so some nice grayline reception (Ron Howard, Pacific Grove, CA, EtÛn E1, antenna: Par Electronics EF-SWL, dxldyg via WORLD OF RADIO 1832, DX LISTENING DIGEST)

** BIAFRA [non]. 11700, BULGARIA, Radio Biafra at 2044 with an African-accented man giving a speech in English, at 2051 host thanked the speaker and began taking calls from listeners, went through the top of the hour but when checked at 2107 they were off. - Fair June 21

(Harold Sellers, Vernon, British Columbia, listening in my car, by the lake, with the CommRadio CR-1a and Sony AN-1 active antenna. Editor of World English Survey and Target Listening, available at <http://www.odxa.on.ca> dxldyg via DX LISTENING DIGEST)

CLANDESTINE: 11700. June 24, 2016. 1931-1936, Radio Biafra, Kostinbrod, BULGARIA, in English. YL talks, says Nigeria many times. Fair signal, moderate interference by CRI on 11695 kHz, 33443 (DXer: JosÈ Ronaldo Xavier (JRX), Location: Cabedelo-PB, Brazil (UTC-3), RX (s): Sony ICF-SW100S, Antenna: Portable Telescopic; Latest HF Propagation: 78-14-3 (Unsettled), Hard-Core-DX mailing list via DXLD)

R. Biafra free of CRI interference on 11695 kHz, this Saturday. 11700. June 25, 2016. 1957-2018, Radio Biafra, Kostinbrod, BULGARIA, in English. OM talks; conversation by phone (count time minute sound [???]). All program by phone, presumed. Today, Saturday, R. Biafra has a good signal and modulation, without interference by CRI on 11695 kHz, 45444 (DXer: JosÈ Ronaldo Xavier (JRX), Cabedelo-PB, Brazil, Sony ICF-SW100S, antenna: Portable Telescopic, Latest HF Propagation: 78-12-1 (Very Quiet), Hard-Core-DX mailing list via DXLD)

** BOLIVIA. 6024.95, June 24 at 0141, JBA carrier, and a trace of talk modulation, presumed Red Patria Nueva (ever ID as Radio Illimani any more?). Last time I logged this, June 6, I typoed as 6035.95, and tho corrected ASAP, still got quoted wrongly somewhere. So this time I am sure to digit it accurately (Glenn Hauser, OK, DX LISTENING DIGEST)

** BOLIVIA. 6134.8, June 24 at 0207, carrier still here from presumed Radio Santa Cruz, but underneath motorboating noise I was not getting during previous hour. I fear it's from RSC itself; also I think there is a JBA carrier on the hi side, 6135.1 or .2 which would be R. Aparecida, Brasil (Glenn Hauser, OK, DX LISTENING DIGEST)

** BOUGAINVILLE. 3325, NBC Bougainville, 1106, June 27. Speeches; in Pidgin; Pacific Island pop music; seemed to go off 1149*, at which time RRI Palangkaraya was in the clear; poor, but better than recently heard (Ron Howard, Pacific Grove, CA, EtÙn E1, antenna: Par Electronics EF-SWL, dxldyg via WORLD OF RADIO 1832, DX LISTENING DIGEST)

** BRAZIL. 4965.0, June 25 at 0125, JBA carrier in the clear. Altho Aoki shows two possibilities, R. Alvorada, Parintins, Amazonas, Brasil, and R. Santa MÙnica, Per', the DSWCI DBS of 2016 does not even mention MÙnica, just Alvorada confirmed active as recently as March (Voice of Hope, Zambia is also going to use this frequency, but surely not at this hour) (Glenn Hauser, OK, DX LISTENING DIGEST)

** BRAZIL. 5965, R·dio Transmundial, Santa Maria, 0612-0625, 30-06,

Portuguese, comments. Very weak, barely audible. 14321. (Mendez)
(Manuel Mendez, Lugo, Spain, Logs in Reinante, Tecsun PL-880, Sangean
ATS-909X, Cable antenna, 8 meters, dxldyg via DX LISTENING DIGEST)

I never hear this one on bandscans before and after 0600 (gh, DXLD)

** BRAZIL. 6010, R·dio Inconfidência, Belo Horizonte, 0447-0458, 28-
06, Brazilian songs, Portuguese, comments. Very weak. 14321. (Mendez)
(Manuel Mendez, Lugo, Spain, Logs in Reinante, Tecsun PL-880, Sangean
ATS-909X, Cable antenna, 8 meters, dxldyg via DX LISTENING DIGEST) see
also COLOMBIA

[and non]. 6010+, June 28 at 0127, two very weak signals very close
together, and both slightly on the hi side, presumed Colombia's The
Voice of Thy Conscience, and Brasil's Radio Inconfidência --- quite a
pair, since that means: disloyalty, infidelity, unfaithfulness,
according to Langenscheidt. Google adds conspiracy. Why would anyone
name a radio station that?? Could be an interesting story behind this,
Brazilians? (Glenn Hauser, OK, WORLD OF RADIO 1832, DX LISTENING
DIGEST)

** BRAZIL. 6059.780, June 25 at 0607, JBA carrier here, in the absence
of RHC English, doubtless SRDA Curitiba, which I had logged on 6059.79
May 28. With very few exceptions, to be a ZY SW broadcaster, you
must transmit off-frequency (Glenn Hauser, OK, DX LISTENING DIGEST)

** BRAZIL [and non]. 11780.010, Fluttery PortBras program of RNB/RNA,
S=7-8 here in southern Germany, down winter season decrease in 25 mb,
6180 kHz is much better these days. QRM of CRI Chinese program
transmission from Jinhua on even 11780 kHz. (Wolfgang B.schel, Some
logs of last UT night June 22 / 23, DX LISTENING DIGEST)

** BRAZIL. 11815.021, Poor tiny S=5 R·dio Brasil Central signal at
0005 UT on June 23. (Wolfgang B.schel, Some logs of last UT night June
22 / 23, DX LISTENING DIGEST)

11815.0, June 24 at 0123, song at S2, presumed R. Brasil Central,
still reactivated. Wish it could achieve a better signal.

11815.0, June 27 at 0056, my wish has been granted, as R·dio Brasil
Central provides better reception than last time, now up to S2, some
peaks to S3 during music past 0100 until 0102 quick ID as ``R·dio
Brasil Central, Goi,nia``, and back to music. Nothing audible on 4985
with all that heavy RTTY. As the Goi's state government station, RBC
is to be cherished vs all the gospel huxters infesting the Brazilian
SW dial, and if the federal station RNA be closed, RBC will become
even more vital (Glenn Hauser, OK, DX LISTENING DIGEST)

11815, R·dio Brasil Central, Goi,nia, 2035-2041, 28-06, Portuguese, comments. Strong interference from Arabia on 11820. 12321. Also 2032-2045, 29-06, Brazilian songs, Portuguese, comments, identification: "Brasil Central". Strong interference from Arabia on 11820. 223221 [sic] (Manuel MÈndez, Lugo, Spain, Logs in Reinante, Tecsun PL-880, Sangean ATS-909X, Cable antenna, 8 meters, dxldyg via DX LISTENING DIGEST)

** BRAZIL. 11854.906, R·dio Aparecida, Brazil, poor S=5 like -94dBm. Heavy interference of Sana'a exile radio in Arabic from ARS site at 11859.999 kHz on S=9+10dB signal strength, heard at remote Doha Qatar site (Wolfgang B,schel, Some logs of last UT night June 22 / 23, DX LISTENING DIGEST)

** BRAZIL. 11914.9, R·dio Ga'cha, Porto Alegre, now on air, 2032-2050, 27-06, soccer comments, Portuguese, "Porto Alegre", "San Lorenzo de Almagro", "Brasil", Brazilian songs. 14321 (Manuel MÈndez, Lugo, Spain, dxldyg via WORLD OF RADIO 1832, DXLD)

** BRAZIL. 11925.20, June 26 at 0244, Brazuguese talk from R·dio Bandeirantes, which doesn't drift but has been known to jump up closer to 11926 from its usual spot (Glenn Hauser, OK, DX LISTENING DIGEST)

** BRAZIL. 11934.60, June 26 at 0244, music at S2, must be R·dio RB2, down from 11934.7 where Carlos GonÁalves, Portugal had it on June 3 and 6; looking back, in May it was on 11934.8 and in March on 11934.9, so the trend is very slowly drifting downward. I had found it missing on June 20.

Same behaviour as their ``9725`` outlet, which had drifted down as low as 9722.97 where I logged it last Nov 20 before it got bumped back up to relatively stable 9724.9 (Glenn Hauser, OK, WORLD OF RADIO 1832, DX LISTENING DIGEST)

** BURUNDI [non]. FRANCE, Reception of Radio Publique Africaine via TDF, June 19
1800-1858 on 15480 ISS 250 kW / 145 deg to SoAf Kirundi/French only:
http://swldxbulgaria.blogspot.bg/2016/06/reception-of-radio-publique-africaine_20.html

Reception of Radio Publique Africaine via TDF, June 21
1800-1858 on 15480 ISS 250 kW / 145 deg to SoAf Kirundi/French only:
http://swldxbulgaria.blogspot.bg/2016/06/reception-of-radio-publique-africaine_21.html

Reception of Radio Publique Africaine via TDF, June 24
1800-1858 on 15480 ISS 250 kW / 145 deg to SoAf Kirundi/French only:
<http://swldxbulgaria.blogspot.bg/2016/06/francenon-reception-of-radio->

publique.html

(DX RE MIX NEWS #954 from Georgi Bancov and Ivo Ivanov, June 27, 2016 via DXLD)

15480, June 25 at 1801, via UTwente remote, African music at good level, 1804 talk in presumed Kirundi, from Radio Publique Africaine, via FRANCE. With abysmal solar flux, this is the only way I am going to hear it; not even a carrier here as I have checked numerous dates (Glenn Hauser, OK, DX LISTENING DIGEST)

** CANADA. CKST-1040 Vancouver BC: 6/22 9:35 PM PDT [0435 UT June 23] tuned in to Vancouver Canadians vs. Everett AquaSocks baseball game, TSN 10-40 slogan, many ads between at bats. Blasting in so they must have had problems with their antenna pattern (or on purpose for the game). Didn't hear it on 6/23. Rare to hear Canada here and it's been years since I've heard CKST. Heard on Sony Walkman SRF-M37W. Anyone have a contact for a verie? (Martin Foltz, Mission Viejo CA, ABDX via DXLD)

Hi Martin, They are a regular here in the Twin Cities and they shouldn't be. This has been going on for years (Todd in Bloomington MN Skaine, June 25, ibid.)

They've been coming under and sometimes equal to WHO here in IL on good distant skip nights for about a decade. Most certainly not using night pattern. 73 KAZ (Neil Kazaross, ibid., WORLD OF RADIO 1832)

NRC Pattern Book shows night pattern a flattened cardioid with a deep null toward WHO. Day pattern is same but rotated to null southward (gh, WORLD OF RADIO 1832, DXLD)

I mailed out a reception report today. Found the name of the DoE on the Internet, I haven't heard them since and bet they were "beaming" the game south to their opponents home town (Martin Foltz, CA, June 27, ABDX via DXLD)

Here's CKST day pattern.

https://transition.fcc.gov/Bureaus/MB/Databases/AM_DA_patterns/404424-56080.pdf

Huge null to the south and great pattern to cover Canada and also make it a pest in MN in fall/winter where it isn't too hard to loop WHO. This day pattern commonly used at night for at least a decade puts almost no signal to So. Cal. and puts enough signal into IL/WI to have them in the mix with WHO here.

Here's their spec'd night pattern.

https://transition.fcc.gov/Bureaus/MB/Databases/AM_DA_patterns/404424-56082.pdf

This pattern also doesn't put much signal towards Everett WA or So. Cal. Therefore, if they were blasting in, I presume you caught them

running with just one stick, so ND.

As to whether this was just an accident, who knows, but I have my doubts. To be sure, check the next time these two teams have a night game.

Jun/July is a good time to log the Pac NW from So. Cal. in the evenings and via SSS. The sun sets considerably later in Seattle this time of the year than in L.A. so your locals may be off or on lower night powers while Pac. NW's are still on day power.

Having outdoor wires to phase was a big help for this 30 years ago from Rancho Bernardo. As an example, I could phase Tijuana on 800 and get KPDQ and when KPDQ lowered power (or maybe they went off back then) CKOR was sometimes heard. 73 (KAZ, ibid.)

I lived out in BC when the station first launched, and their pattern was so tight, that no more than a couple minutes walk south of the border, the station sounded like it was out of tune and it was weak. I remember one early morning in the late 80's at a motel in Regina, Saskatchewan. I tuned them in and they were battling WHO. Both were equal strength (Justin Nielsen, ibid.)

** CHINA. 5985-USB, VC01 (Chinese Military numbers station), 1247 & 1310, June 27. Numbers in Chinese; decent signal, but mixing with R. Myanmar also on frequency (Ron Howard, Pacific Grove, CA, Etûn E1, antenna: Par Electronics EF-SWL, dxldyg via WORLD OF RADIO 1832, DX LISTENING DIGEST)

** CHINA. 11635even, mainland scratching WHITE NOISE jamming, against Radio Taiwan Chinese service, in range 11631.2-11638.9 kHz, 2350 UT on June 22 at S=9 signal level (Wolfgang B, schel, Some logs of last UT night June 22 / 23, DX LISTENING DIGEST)

** CHINA. Firedragon log at the moment --- 11560, Firedragon music station, 6/25, 1815 in progress. Crash! Boom! Bang! Good signal on Grundig Satellit and shortwire. Listed here is RFA via Guam (Rick Barton, AZ, DX LISTENING DIGEST) Or rather, SAIPAN

** COLOMBIA. 6010.05, La Voz de tu Conciencia, Puerto Lleras, 0439-0458, 30-06, Latin American songs, "Llaneras" and other songs, Spanish, religious comments. Slight interference from Inconfidência and at 0458 inaudible because signing on BBC on 6005. 13221 (Manuel Méndez, Lugo, Spain, Logs in Reinante, Tecsun PL-880, Sangean ATS-909X, Cable antenna, 8 meters, dxldyg via DX LISTENING DIGEST) See also BRAZIL

** CUBA. 1620, June 24 at 0152, Spanish music, but not // R. Rebelde 5025, which is sports talk, maybe during a silly BB game. That causes

the 1620 outlet to switch feed to the FM network, confirmed at 0155 ID as ``La FM Rebelde cadena grande``, pop ``música viva``. Other Rebeldes on MW, 670 and 1180 remain // 5025 (Glenn Hauser, OK, DX LISTENING DIGEST)

** CUBA [and non]. 15370, June 23 at 1819, surprised to find RHC on the air at this hour, speech in Spanish about FARC, weaker than // 11760 which is normally the only one at this hour. Then look for more and find 17730 also with this at S9+10. None heard on 13 or 9 MHz bands. No doubt prompted by today's peace accord in Habana as explained here:

``The accord agreed today, for a Bilateral and Definitive Ceasefire, Cessation of Hostilities, and Laying Aside of Weapons, closes the fifth of five substantive items on the FARC-government negotiating agenda. It sets out a roadmap for disarming and demobilizing the FARC after a final peace accord is signed. It foresees a swift process: a full turnover of guerrilla weapons within six months. . .``

<http://colombiapeace.org>

(Glenn Hauser, OK, DX LISTENING DIGEST)

15140. June 24, 2016. 2243-2250, RHC, Bauta, in Spanish. "Entre Cubanos": today, a repetition of the 55th anniversary of RHC, this 2016 year, a RHC foundation history. Good signal and modulation, 45444 (DXer: JosÉ Ronaldo Xavier (JRX), Location: Cabedelo-PB, Brazil (UTC-3), RX (s): Sony ICF-SW100S, Antenna: Portable Telescopic; Latest HF Propagation: 78-14-3 (Unsettled), Hard-Core-DX mailing list via DXLD)

??? 15140 is not scheduled to be on the air at this hour; forgot to change frequency after earlier broadcasts until 2030?? (gh, DXLD)

6060, June 25 at 0607, RHC English is off this frequency; still on 6100 & undermodulated 6000 & 6165 undermodulated as usual. But opening up channel for off-frequency BRAZIL, q.v. (Glenn Hauser, OK, DX LISTENING DIGEST)

CHINA vs CUBA, China National Radio 1 vs Radio Habana Cuba, June 23: till 1200 on 17580 LIN 100 kW / 286 deg to EaAs Chinese CNR-1 1100-1400 on 17580 BAU 100 kW / 160 deg to SoAm Spanish RHCuba // frequency 11760 BAU 100 kW / non-dir to NCAM Spanish RHCuba <http://swldxbulgaria.blogspot.bg/2016/06/china-national-radio-1-vs-radio-habana.html>

-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30 m. long wire, dxldyg via DX LISTENING DIGEST)

Dear amigo: In the our service areas there is no China vs Radio Habana Cuba problem --- we receive excellent reports from our listeners that live in the target areas where our signal to noise ratio is really

impressive with 100 kW and 17 dB antenna gain. I think that what you are reporting is happening in your part of the world, to which we are not broadcasting on those frequencies. Best regards (Prof. Arnaldo Coro Antich, Senior Consultant/ Advisor, and Frequencies Manager, Radio Habana Cuba, ICRT, via Ivo Ivanov, DXLD)

Dear Prof. Coro, Just is needed coordination between Radio Habana Cuba RHC and other shortwave broadcasters in HFCC, not only in ITU (Ivo Ivanov, ibid.)

Dear Señor Ivo, We will never coordinate with HFCC because of the presence there of the ANTI CUBAN subversive broadcasts based in the USA. That is why all our services are properly registered at the ITU where interested administrations can check and if they so desire, as often done, they can coordinate directly through bilateral contacts with us in Cuba.

We check our services areas with highly qualified monitors, and the Radio China International you mention is not present at all in our service area on the frequencies that you in very distant Europe are mentioning. For your information, the side lobes of curtain antennas are NEVER contemplated as service to listeners.

ITU is the official international organization and for us it works very well indeed, and we have all our stations registered properly and legally. From sunny La Habana, Prof. Arnaldo Coro Antich (all via Ivo Ivanov, via DXLD)

That particular clash of 17580 vs 17580 may be irrelevant for both stations, but there are plenty of free channels on the under-used 16m band, and even this could have been avoided by bilateral Communist coordination.

Typical myopic me-first POV of some station frequency managers: while some frequencies can be shared by applying propagational principles, it so happens that SW is a worldwide medium, so why not AVOID CONFLICTS where possible, so even listeners outside the respective target areas can get a clear if weak signal??? (Glenn Hauser, DX LISTENING DIGEST) Continued at UNSOLICITED TESTIMONIALS

6000, June 28 at 0612, RHC English modulation is suptorted, while on // 6165 it's merely undermodulated. Wiggle that patchcord! (Glenn Hauser, OK, DX LISTENING DIGEST)

** CUBA [non]. 9490, June 26 at 0257, R. Rep'blica at S9+25 over wall-of-noise jamming which contributes to the S-reading, talking about Libertad, then ID and addressing ``hermanos y hermanas en Cuba`` to promote some event or broadcast on domingo. Via FRANCE, Aoki and EiBi

show the span as 01-05 UT; HFCC as 0000-0259 in three hourly segments. I've heard them later than 0300 on occasion, but not as late as 0500; perhaps they are flexible. I've not caught them signing on or off (Glenn Hauser, OK, DX LISTENING DIGEST)

** CUBA [non]. From the Isle of Music: Our July 5 (July 4 in the Americas on WBCQ) program includes special guest Mariã Felicia PÉrez, director of Coro Exaudi, winner of the Choral Music category in Cubadisco 2016. Weill also play some Popular Dance Music by Dinza y Soneros de la Juventud, nominated in the Popular Dance Music ñ New Talents category and some of Guilty Pleasure by Alexis Baro, which was nominated in the Jazz category in Cubadisco. Also, some new music by Eliel Lazo and the Cuban Funk Machine and the Pedrito Martínez Group.

Two listening options on shortwave:

WBCQ, 7490 kHz, Tuesdays 0000 UT (8 pm EDT Mondays)

Channel 292, 6070 kHz, Tuesdays 1900 UT (2100 CEST)

See the NOTES section of our Facebook page for more information.

<https://www.facebook.com/fromtheisleofmusic/>

(Bill Tilford, June 29, DX LISTENING DIGEST)

** EAST TURKISTAN. There was unusual reception this morning - June 27 - of what I believe had to be Urumqi/Xinjiang domestic programmes at around 0700 UT.

Frequency 9560 was the loudest - just above the noise floor. I could not confirm the language as Uighur, but the music they were playing sounded right for that area. The other two channels that were audible 9510 (Mongolian I think) and 9835 in Chinese were weaker, and only peaking above the noise floor occasionally. There was no trace of 9600 though. I've heard these signals in mid-summer before, but have never worked out why. There was no trace of Urumqi on 7 MHz but there was a trace of something on 11885 which was probably them. Also enhanced today were VOA SAO on 9830 and BBC ASC 9440, both carrying Hausa until 0700 UT (Noel R. Green (NW England), dxldyg via DX LISTENING DIGEST)

** EGYPT. Open carrier/dead air, probably of Radio Cairo, June 20

0820-0828 on 9965 ABS 200 kW / 325 deg to ENAm, A-16 scheduled

2300-0430 on 9965 ABS 200 kW / 325 deg to NEAm English/Arabic:

http://swldxbulgaria.blogspot.bg/2016/06/open-carrierdead-air-probably-of-radio_20.html

(DX RE MIX NEWS #954 from Georgi Bancov and Ivo Ivanov, June 27, 2016 via DXLD)

12084.94, June 24 at 0159, R. Cairo Arabic has just come on with ME music, and not too distorted!! This will run for five hours to North America. The English frequency, 9315 is quite weak, and the other Arabic on 9965v is moderate, undermodulated. Also had a very weak

signal on 9745 before 0200 (Glenn Hauser, OK, DX LISTENING DIGEST)

9745, 0040, R. Cairo, Arabic, nonstop Arabic music, GOOD modulation, 45534 (Logs Cristian Mocanu, June 25th 2016, QTH: Deva, Romania, dxldyg via DX LISTENING DIGEST)

(Transmitter problems continue): 9325. June 24, 2016. 1937-1942, Radio Cairo, Abis, in Hausa. OM talks. Fair signal and terrible sound modulation, 35431 (DXer: JosÈ Ronaldo Xavier (JRX), Location: Cabedelo-PB, Brazil (UTC-3), RX (s): Sony ICF-SW100S, Antenna: Portable Telescopic; Latest HF Propagation: 78-14-3 (Unsettled), Hard-Core-DX mailing list via DXLD)

9315, June 25 at 0116, R. Cairo is nothing but a horrible blob from 9312 to 9318. 9965 is better (Glenn Hauser, OK, DX LISTENING DIGEST)

12005. June 25, 2016. 2319-2324, Radio Cairo, Abis, Portuguese presumed. Talks, music. Fair signal and a terrible distorted audio. SINPO code not evaluated (DXer: JosÈ Ronaldo Xavier (JRX), Cabedelo-PB, Brazil, Sony ICF-SW100S, antenna: Portable Telescopic, Latest HF Propagation: 78-12-1 (Very Quiet), Hard-Core-DX mailing list via DXLD)

Unscheduled transmission of Radio Cairo again on June 26:
till 0830 on 9965.3 ABS 200 kW / 325 deg to ENAm, A-16 scheduled:
2300-0430 on 9965.0 ABS 200 kW / 325 deg to ENAm, English/Arabic
<http://swldxbulgaria.blogspot.bg/2016/06/unscheduled-transmission-of-radio-cairo.html>

-- 73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

** EQUATORIAL GUINEA. 5005, Radio Nacional, Bata, 0453-0510, 28-06, Spanish, comments, songs. Very weak, barely audible. 14321 (Manuel MÈndez, Lugo, Spain, Logs in Reinante, Tecsun PL-880, Sangean ATS-909X, Cable antenna, 8 meters, dxldyg via DX LISTENING DIGEST)

** ETHIOPIA. Reception of four Ethiopian stations, June 26

Fana Broadcasting Corporation Radio Fana

from 1847 on 6110 ADD 100 kW / non-dir to EaAf Amharic

Radio Amhara

from 1849 on 6090 GDR 100 kW / non-dir to EaAf Amharic

Radio Oromiya

from 1851 on 6030 GDR 100 kW / non-dir to EaAf Oromo

Voice of Tigray Revolution

from 1920 on 5950 GDR 100 kW / non-dir to EaAf Tigrinya

<http://swldxbulgaria.blogspot.bg/2016/06/reception-of-four-ethiopian-stations.html>

-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, June 26, dxldyg via DXLD)

** ETHIOPIA. 7235.0, Voice of Eritrea, Gedja, 0356, Jun10, vernaculars, open with drums interrupted by ID and programme from 0400

(at the evening at 1700 R Ethiopia in French was already on 7236.3),
25432. (Pankov)
dswci dx window June 22

** ETHIOPIA [non]. Voice of Oromo Liberation via MBR, no signal on
June 15/19/22:
1700-1730 on 17630 NAU 100 kW / 139 deg to EaAf Afar Oromo Wed
1730-1800 on 17630 NAU 100 kW / 139 deg to EaAf Amharic Wed
1700-1800 on 17630 ISS 100 kW / 130 deg to EaAf Amharic Sun
My last video of Deutscher Wetterdienst on June 15
My last video of Voice of Oromo Liberation on June 5
<http://swldxbulgaria.blogspot.bg/2016/06/no-signal-of-deutscher-wetterdienst-and.html>
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30
m. long wire, dxldyg via DX LISTENING DIGEST)

** GERMANY. No signal of Deutscher Wetterdienst on June 20-23
0604-0630 on 5905 PIN 010 kW / non-dir to CeEu German CUSB
1204-1230 on 5905 PIN 010 kW / non-dir to CeEu German CUSB, nothing
June 20-23
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30
m. long wire, dxldyg via DX LISTENING DIGEST)

Deutscher Wetterdienst was back on shortwave, June 26
0604-0630 on 5905 PIN 010 kW / non-dir to CeEu German CUSB
1204-1230 on 5905 PIN 010 kW / non-dir to CeEu German CUSB
<http://swldxbulgaria.blogspot.bg/2016/06/deutscher-wetterdienst-was-back-on.html>
-- 73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

** GERMANY. Unscheduled broadcasts via Radio Channel 292 on June 25:
0700-0800 6070 ROB 025 kW / non-dir CeEu Eng/Spa From Isle of Music
0800-0900 6070 ROB 025 kW / non-dir CeEu German Goldrausch 6070
<http://swldxbulgaria.blogspot.bg/2016/06/unscheduled-broadcasts-via-radio.html>
-- 73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

Channel 292 seems to have problems to broadcast brokered air time at
the times given on their website. For instance, Radio DARC was
repeated from 1830 to 1930 UT on 6070 kHz, not 1900-2000. At 1930 UT
the VOA Radiogram announcement was heard...!? Part of the DigiDX
programme normally listed for 2000 UT? Note: at present I'm unable to
decode digital signals. 73, Manfred. Posted by: ("Manfred R. Reiff",
June 27, dxldyg via DX LISTENING DIGEST)

Hi Manfred, The two DigiDX broadcasts on WRMI last night also carried
VOA Radiogram as well, so it looks like Stephen has had to substitute
the normal programmes for some reason. I am currently decoding the
MFSK on 6070, and it is a repeat of the programme 169 that VOA put out
at the weekend.

I think the programmes are running 30 minutes early, DARC radio was already half way through when I tuned in at 1900, and DigiDX is on 30 minutes early as well. I'm wondering if the DigiDX that should have been on at 1830 to jam the Vatican was missing, and that has messed the schedule up? (Alan Gale, UK, June 27, *ibid.*) see also USA

[and non]. DigiModes: Kim Andrew Elliott's "VOA Radiogram", a very informative and one-of-a-kind program on SW offering various scientific and general interest topics in text and images every week, based on free ham-created digimodes, easily readable on your screen e.g. using "FLDIGI" when feeding the audio - directly or via a microphone - into a PC's soundcard or even via a smartphone - no need at all to be online to experience these newscasts! It is usually only broadcast from Greenville, NC, but is now "filling in" for DigiDX when broadcast on Channel 292 on 6070 kHz from Bavaria and WRMI from Okeechobee during another week or two (Tobias (T_s), Germany, 2016-06-28, DX LISTENING DIGEST)

** GERMANY. 6150, Europa 24, Dattlen, 0618-0640, 29-06, can be heard here at about 0615, when close Austria on 6155, pop music, German, comments, identification: "Europa 24", news, more pop music, song "Black is Black" by Los Bravos. 14321 (Manuel M_Éndez, Lugo, Spain, Logs in Reinante, Tecsun PL-880, Sangean ATS-909X, Cable antenna, 8 meters, dxldyg via DX LISTENING DIGEST)

** GERMANY. Biblis (Re: SWLDXBulgaria News June 25)
``some of Biblis txs are off today including RL
1500-1800 on 9645 BIB 100 kW / 063 deg to EaEu Belarussian``

I suspect not just today but already for good (and probably indeed so as of today UT), with transmissions that still are on air being already moved to other sites. Could not hurt to keep an eye on this (Kai Ludwig, Germany, June 25, dxldyg via DX LISTENING DIGEST)

** GOA. INDIA, Unscheduled broadcast of All India Radio in English, June 23
1530-1539 11560 PAN 500 kW / 300 deg to WeAs English, A-16 registered
1315-1415 11560 PAN 500 kW / 300 deg to WeAs Dari All India Radio
1415-1530 11560 PAN 500 kW / 300 deg to WeAs Pashto All India Radio
<http://swldxbulgaria.blogspot.bg/2016/06/unscheduled-broadcast-of-all-india.html>
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30 m. long wire, dxldyg via DX LISTENING DIGEST)

** GOA. 11739.986, INDIA, AIR Sinhala service from Goa Panaji, odd Marconi unit frequency. S=6 or -94dBm in Eastern Thailand. 73 wb (Wolfgang B_üschel, short log of eastern Thailand remote SDR unit, Saturday, June 25, 2016 1:37 AM, DX LISTENING DIGEST)

** GREECE. Voice of Greece on 9420 and 9935 kHz, June 20-21:

1900-0609 on 9420 AVL 170 kW / 323 deg to WeEu Greek*tx#3

1900-0604 on 9935 AVL 100 kW / 285 deg to WeEu Greek*tx#1

*including 5 min news in Serbian language and off the air!

<http://swldxbulgaria.blogspot.bg/2016/06/voice-of-greece-on-9420-and-9935-khz.html>

Voice of Greece on 9420 and 11645 kHz on June 23:

0600-0700 on 9420 AVL 170 kW / 323 deg to WeEu Greek*tx#3

0600-0700 on 11645 AVL 100 kW / 182 deg to NoAf Greek*tx#1

* incl. news in Serbian, Romanian, Spanish, Polish, Albanian, Italian, Arabic. Today missing Russian sce. Off at 0720 UT.

http://swldxbulgaria.blogspot.bg/2016/06/voice-of-greece-on-9420-and-11645-khz_23.html

Voice of Greece on 9420 and 9935 kHz, June 25-26:

1900-0900 on 9420 AVL 170 kW / 323 deg to WeEu Greek*tx#3

1900-0900 on 9935 AVL 100 kW / 285 deg to WeEu Greek*tx#1

* including Sunday liturgy 0600-0845UT. Off air at 0900.

http://swldxbulgaria.blogspot.bg/2016/06/voice-of-greece-on-9420-and-9935-khz_26.html

(DX RE MIX NEWS #954 from Georgi Bancov and Ivo Ivanov, June 27, 2016 via DXLD)

Voice of Greece on 9420 and 11645 kHz on June 28:

0600-0700 on 9420 AVL 170 kW / 323 deg to WeEu Greek*tx#3

0600-0700 on 11645 AVL 100 kW / 182 deg to NoAf Greek*tx#1

*including news in Serbian, Romanian, Spanish, Russian, Albanian and Arabic. Today missing Polish & Italian. Off at 0745 UT.

http://swldxbulgaria.blogspot.bg/2016/06/voice-of-greece-on-9420-and-11645-khz_28.html

-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, June 28, dxldyg via DXLD)

Voice of Greece on 9420, 9935 and 11645 kHz on June 28-29:

from 1900 on 9420 AVL 170 kW / 323 deg to WeEu Greek tx#3 June 28

from 1900 on 9935 AVL 100 kW / 285 deg to WeEu Greek tx#1 June 28

0600-0700 on 9420 AVL 170 kW / 323 deg to WeEu Greek*tx#3 June 29

0600-0700 on 11645 AVL 100 kW / 182 deg to NoAf Greek*tx#1 June 29

*news in Serbian, Spanish, Romanian, Russian, Albanian and Arabic.

Today missing again Polish and Italian services. Off air at 0704 UT

<http://swldxbulgaria.blogspot.bg/2016/06/greece-voice-of-greece-on-9420-9935-and.html>

-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30 m. long wire, dxldyg via DXLD)

** GUAM. Changes of KTW R Trans World Radio Asia on 11585 & 12120 kHz

from July 4:

1345-1430 11585 100 kW / 290 deg SoAs Dogri/Hindi/Garhwali, no change

1430-1510 11585 100 kW / 290 deg SoAs Hindi Mon-Fri, ex 1430-1500
1528-1600 12120 100 kW / 293 deg SEAs English Mon-Sat, ex 1528-1546
<http://swldxbulgaria.blogspot.bg/2016/06/changes-of-ktwr-trans-world-radio-asia.html>
(DX RE MIX NEWS #954 from Georgi Bancov and Ivo Ivanov, June 27, 2016
via DXLD)

** GUYANA. 3289.97, June 24 at 0146, JBA carrier vs the S9+10 storm noise level, so whew, V. of Guyana appears still to be active. Peregrinating engineer Jaime Labadia, now in Fresno, asks Ron Howard, "Ron, I don't suppose you're able to hear the Voice of Guyana on 3.290 mc/s? (Only 1.2 k.w. for now, and antenna broadside N.E. / S.W.)". No wonder the signal is so poor here to the northwest (Glenn Hauser, OK, WORLD OF RADIO 1832, DX LISTENING DIGEST)

** INDIA. AIR Trivandrum's new MW mast of 1161 kHz is under installation as its original one had fallen down last week and that frequency is off air since then. However their programs are heard as usual from their 50 kW SW Transmitter on 5010 & 7290 and relayed as usual via AIR Allapuzha on 576 kHz (200 kW) & AIR Kavaratti 1152 kHz (10 kW) and in live streaming of AIR website <http://allindiaradio.gov.in> under Malayalam. Lately they are noted announcing 105.6 MHz also. This is the 10 kW Gyan Vani transmitter frequency which was taken off air on Oct 2, 2014. Yours sincerely, (Jose Jacob, VU2JOS, National Institute of Amateur Radio, Hyderabad, India, Mobile: +91 94416 96043, <http://www.qsl.net/vu2jos> June 23, dx_india yg via DXLD) See also KASHMIR

AIR Trivandrum, Kolkata --- A new tower is constructed for AIR Thiruvananthapuram and will start relaying from 26 June 2016 5.50 AM on 1161 kHz 20 kW. This is a speedy installation completed in record time after the tower collapse. Via: Rajeesh Ramachandran

http://www.business-standard.com/article/pti-stories/launch-of-air-channel-postponed-116062500828_1.html

The launch of All India Radio's new channel "Akashvani Maitree", which was scheduled in Kolkata on Tuesday, has been postponed due to "unforeseen reasons," Prasar Bharati officials said today. The channel aims at providing a common platform for participatory content creation for listeners in India and Bangladesh. New dates for the launch would be announced later, the officials said. The Bengali language service channel was to be launched by President Pranab Mukherjee at a function in Kolkata on June 28. via Sudipta Ghosh [sic] (both via Jose Jacob, June 25, dx_india yg via WORLD OF RADIO 1832, DXLD)

AIR Chinsurah on 594/604 kHz --- Although the inauguration program has been postponed, AIR started using 594 kHz instead of 1134 kHz in the

evening from today (28th June) with GOS 1000-1100, Tamil 1115-1215, Burmese 1215-1315, Nepali 1330-1430 and News [language?] 1515-1600 UT. Also noted DRM on 604 kHz with Delhi Rainbow channel during the above period. 73/Alok Das Gupta, Kolkata (via Jose Jacob, June 28, dx_india yg via WORLD OF RADIO 1832, DXLD)

** INDIA [and non]. 11739.984, AIR Hindi music at 2328 UT on June 22, Tamil program registered start at 0000 UT, S=9+15dB signal. QRM of co-channel CNR2 on 11740even (Wolfgang B, schel, Some logs of last UT night June 22 / 23, DX LISTENING DIGEST)

Another unscheduled English broadcast of All India Radio, June 24:
0830-1135 on 11620*DEL 250 kW / 334 deg SoAs Urdu, as scheduled A-16
1135-1140 on 11620*DEL 250 kW / 334 deg SoAs English News Bulletin
1140-1145 on 11620*DEL 250 kW / 334 deg SoAs English Special wx news
* co-ch weak 11620 XIA 500 kW / 073 deg EaAs Eng/Jap China Radio International
nothing on // 9940 DEL 100 kW / 342 deg SoAs Urdu scheduled 0830-1130
<http://swldxbulgaria.blogspot.bg/2016/06/another-unscheduled-english-broadcast.html>
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30 m. long wire, dxldyg via DX LISTENING DIGEST)

11710. June 25, 2016. 2029-2045, All India Radio, Khampur, in French. Indian modern songs; YL talks; OM talks, ID, 2038 A song; Good signal, slight to moderate interference by CNR1 in Mandarin; At 2030-2035, an authentic collision; After 2035, AIR free of interference! Fair modulation with slight distorted audio, 43432 (2035-2045 UT, 45433). Parallel log on 13640 kHz, 35433 (DXer: JosÉ Ronaldo Xavier (JRX), Cabedelo-PB, Brazil, Sony ICF-SW100S, antenna: Portable Telescopic, Latest HF Propagation: 78-12-1 (Very Quiet), Hard-Core-DX mailing list via DXLD)

** INDONESIA. 3325, Pro 1 RRI Palangkaraya, 1220-1222, June 27. Ended the Jakarta news relay with UNID song; in the past I knew most of the patriotic songs that RRI played at the end of the news ("Bagimu Negeri, "Garuda Pancasila" or "Dirgahayu Indonesiaku"), but am unfamiliar with the new song; no Bougainville QRM, as NBC had already signed off (1149*).

[non-log]. 3344.85, RRI Ternate. Have been checking here for possible reactivation for Ramadan, but as of June 27, not heard so far. It was back in July 2014 that they last reactivated for Ramadan.

[non-log]. 3905, Pro 1 RRI Merauke continues to be silent through June 27.

[non-log]. 4749.95, Pro 4 RRI Makassar continues silent through June

27. Bangladesh Betar (Home Service) being heard instead on 4750.0.

[non-log]. 9525.9, Voice of Indonesia, 1309, June 27 found off the air; had been heard earlier in Japanese after 1200 (Ron Howard, Pacific Grove, CA, EtUn E1, antenna: Par Electronics EF-SWL, dxldyg via WORLD OF RADIO 1832, DX LISTENING DIGEST)

** INTERNATIONAL INTERNET. Rewound Radio, an internet only station, announces: THE DAN INGRAM ELECTRIC RADIO THEATER! July 2 -4

Rewound Radio will feature Dan Ingram shows for your long 4th of July Weekend! It's Dan on WABC and WCBS-FM for three days.

-PLUS-

The Life & Times of Dan Ingram: In His Own Words
Saturday, July 2 at 12 Noon (ET) A special six hour show featuring Dan talking about his career from his early days on into the 2000's.

We'll have excerpts from interviews Dan gave from as early as 1965 along with airchecks from Dan's days at WALK, WNHC, KBOX, WIL, WABC, WKTU and more! Three Days of Big Dan on Rewound Radio for your long 4th of July Weekend! Rewound Radio! The Best Oldies Anywhere!
<http://rewoundradio.com/>

Posted by: (Mike Terry, dxldyg via WORLD OF RADIO 1832, DXLD)

** IRAN. A "Voice of the Islamic Republic of Iran" (a.k.a. Pars Today) in Russian long gone from 702 kHz to broadcast 1920-2020 UT, or just today June 19, 2016 they do not broadcast? Now is the time to 702 kHz Iran but also in Persian. June 20, 2016 at 702 kHz and can not hear the "Voice of the Islamic Republic of Iran" in Russian. At this time, the transfer of the Persian. It can be concluded that the broadcast in Russian on MW (702 KHz) they no longer have.
<http://dxing.ru/forum.html?func=view&catid=20&id=35030/#35043>
via RusDX June 26 via DXLD)

** ITALY. Just a short reminder of our regular weekly broadcasts on Wednesdays. Marconi Radio International will once again be on air tomorrow 29 June 2016, as follows:

1830-1930 UT on 15070 kHz (USB mode),
2000-2100 UT and 2130-2230 UT on 7700 kHz (USB Mode).

Our broadcasts include some kind of programmes now sadly missing from most shortwave radio stations: an old style DX show in English iItalian Short Wave Panorama and Italian "Panorama Onde Corte" with a lot of recent logs and a feature on Eye Radio from South Sudan, as well as a mailbag programme in Italian. Our station identification

announcements are not only in English and Italian but also in French, German, Japanese, Spanish and Catalan.

MRI encourages reception reports from listeners. Audio clips (mp3-file) of our broadcasts are welcome! We QSL 100%. Our electronic mail address is:

marconiradiointernational@gmail.com - Please don't forget to include your postal address as some lucky listeners will also receive a printed QSL card.

Last but not least, we need your help! If you use social networks, please post an announcement on Facebook or send out a tweet the day before the broadcast. You can also forward this message to a friend. This should help increase our potential audience. We hope to hear from a lot of shortwave listeners about our transmissions. Best 73's, Marconi Radio International (MRI) (via Manuel MÈndez, dxldyg via DXLD)

Weekly broadcast of Marconi Radio International on June 29 [Wed]:
1830-1930 on 15070 unknown secret tx site to Eu various langs USB
2000-2100 on 7700 unknown secret tx site to Eu various langs USB
2130-2230 on 7700 unknown secret tx site to Eu various langs USB
Videos will be uploaded later if it propagation condition is good
http://swldxbulgaria.blogspot.bg/2016/06/weekly-broadcast-of-marconi-radio_29.html
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30
m. long wire, dxldyg via DXLD)

7700 USB, Marconi Radio International, *2000-2015, 29-06, tuning music, identification in Italian, English, DX program in English, songs. 14321. (Mendez)

15070 USB, Marconi Radio International, 1901-1930*, 29-06, songs, identification in Italian: "Marconi Radio International", comments, songs, identification in English: "This is Marconi Radio International", music, close. 14321 (Manuel MÈndez, Lugo, Spain, Logs in Reinante, Tecsun PL-880, Sangean ATS-909X, Cable antenna, 8 meters, dxldyg via DX LISTENING DIGEST)

**** KASHMIR. [Re 16-25]: [dx_india] Lehigh 4740 kHz --- listen to the recording, taken on remote SDR unit at Delhi India today.**

4739.9985 kHz measured against nearby 60mb references 4765 Dushanbe
TJK, 4835 ABC NT Australia, and 5000 kHz WWVH Hawaii.

1355 UT on June 23. S=9+20 or -53dBm signal. Audio was like overmodulated / distorted quality kind.

IND_Leh_4739.9985_1355UT_20160623.ogg file <<<<<<<<<<<

download and play from box.com
<https://app.box.com/s/4155jnsylecxg85nt3yjpjqn746adya3>
73 wb (Wolfgang B. schel, June 23, WORLD OF RADIO 1832, DXLD)

FYI, unfortunately distorted audio quality. OGG is an audio format of the Technical University Zurich, Switzerland, last some 8 years ago of appearance.
https://en.wikipedia.org/wiki/VLC_media_player
73 (Wolfgang, DX LISTENING DIGEST)

Leh still on 4740 kHz --- Radio Kashmir Leh noted today also on 4740 (instead of 4760) Sked is s0130/w0213-0430, 1130-1630 UT. Yours sincerely, (Jose Jacob, VU2JOS, National Institute of Amateur Radio Hyderabad, India Mobile: +91 94416 96043, <http://www.qsl.net/vu2jos> 1401 UT June 23, dx_india yg via WORLD OF RADIO 1832, DXLD)

Listening [to] AIR Leh on 4740 kHz 1600 UT. Folk song in chorus. SINPO 35343 here in the North Eastern state of Assam (QTH Jorhat). Regards, (Prithwiraj Purkayastha, 1609 UT June 23, dx_india yg via WORLD OF RADIO 1832, DXLD)

Today back on 4760 kHz, so another frequency mis-selection. Best regards, (Mauno Ritola, Finland, 1328 UT June 27, dx_india yg via WORLD OF RADIO 1832, DXLD)

** KOREA NORTH. From Paul Walker, Jr., [Alaska]: Mailing out a reception report to Vok/KCBS Pyongyang. Sending out the same one twice, but addressing them slightly differently and sending them out a day or two apart so there's no way both can lost. Included is a CD with 22 audio tracks of 22 different frequencies I've herd with limited program content details, a QSL card from my SW broadcasts, my business cards, a local greeting card with local photo by local photographer, and some return address labels. The postage, my time preparing the reports, the material in the envelope (CD, QSL card, business cards, stickers, greeting cards) all come to a grand total of about \$85 for both packages. Well worth if I get a QSL card from them (NASWA Flashsheet June 26 via DXLD)

** KOREA NORTH [non]. 9900, June 27 at 1335, Japanese talk and music, fair S5-S9. Aoki says Furusato no Kaze at 1330-1400 via Paochung, TAIWAN (Glenn Hauser, OK, DX LISTENING DIGEST)

I don't follow iNippon no Kaze or "Furusato no Kaze," whereas I do keep tabs on "Shiokaze" that also deals with Japanese abductees taken to N. Korea, so I do have some general interest in this issue.

Hiroshi
<http://hiroshi.mediakat-blog.jp/d2016-06-24.html>

in Japan follows these three stations in great detail. Site is in Japanese, but easy to cut & paste into Google translator to see English. He follows these stations daily. Just click on his calendar date to see what he has heard. Is an excellent reference for Nippon no Kaze, Furusato no Kaze and Shiokaze.

BTW - Believe both Nippon no Kaze and Furusato no Kaze are produced by the Japanese government. Therefore they are always free from N. Korea jamming. Whereas Shiokaze is a private concern (COMJAN), so N. Korea is not afraid to jam them as much as they like (Ron Howard, DX LISTENING DIGEST)

** KOREA NORTH [non]. 5935, Shiokaze/Sea Breeze via Yamata (Japan), quick check 1302, June 27 (Monday) found them back to their normal schedule of Chinese, unlike last Monday's program in Korean; heavy N. Korea jamming (Ron Howard, Pacific Grove, CA, Etûn E1, antenna: Par Electronics EF-SWL, dxldyg via DX LISTENING DIGEST)

** KOREA SOUTH. 12923-CW, June 28 at 1310, CQ marker DE HLW2, with QSX info, weak and hard to copy, but tnx for all the repetitions.

12916.5-CW, June 28 at 1315, similar CQ marker DE HLF, even weaker. Both these are Soul Radio, per Klingenfuss (Glenn Hauser, OK, WORLD OF RADIO 1832, DX LISTENING DIGEST)

** KOREA SOUTH. 15575, Sat June 25 at 1300, KBS World Radio has a poor-fair signal so maybe I will be able to hear the final Indian DX Report later in the hour (as KBS has cancelled the DX segments on Listeners Lounge as of mid-July) --- but by 1333 and 1344 it's only S4 and unreadable (Glenn Hauser, OK, DX LISTENING DIGEST)

** MADAGASCAR. 6190, June 24 at 0209, MWV La Voz Alegre has managed to keep the transmitter on longer tonight, with secular-sounding pop music, about equal to the S9+10 noise level (Glenn Hauser, OK, DX LISTENING DIGEST)

** MADAGASCAR. 11820, RDW (Talata-Volonondry) *0358-0405+ 20 June. 0C, Waf song lead-in to ID and news (Fallujah, Mr. Trump, "Brexit"), "You're listening to Deutsche Welle news..", more news (Syria/Turkey, Nigerian president back in country), quick sports (NBA championships, UEFA) and starting DW African news at 0405 with Isaac in Bonn (Dan Sheedy, Encinitas, CA PL380/6m X wire [v.2.0], DX LISTENING DIGEST)

** MEXICO. RAYMIE'S MEXICO BEAT this week ---

The Lineamientos Generales got their day in the DOF, and so we can read the approved document and compare it to the draft from December.

I forgot to note that the document references A/65:2013.

Article 7:

Draft: "El Instituto utilizar· la informaci3n program·tica y/o comercial con la que cuenta o pueda obtener para definir el Canal Virtual que asignar· a cada Concesionario de Televisi3n Radiodifundida en el pa3s, los cuales ser·n seg3n las coberturas del Canal de Programaci3n, nacionales, regionales o locales, tomando en cuenta para ello la Identidad del Canal de Programaci3n."

DOF: "La UMCA utilizar· la informaci3n program·tica y/o comercial con la que cuenta o pueda obtener para definir el Canal Virtual que asignar· a cada Concesionario de Televisi3n Radiodifundida en relaci3n con su o sus Canales de Programaci3n. Los Canales Virtuales ser·n nacionales, regionales o locales, siguiendo el orden indicado para su asignaci3n y tomando en cuenta para ello la Identidad del Canal de Programaci3n."

Aside from the changing of generic "Instituto" references to mention the UMCA (Unidad de Medios y Contenidos Audiovisuales), an addition of eight words has important consequences. It indicates that the order of assignment for virtual channels will begin with national networks, then regional services followed by local stations.

Article 8:

Draft: "Una vez culminado el proceso de asignaci3n de Canales Virtuales, el Instituto publicar· en su sitio electr3nico el listado de Estos, as3 como de aquellos disponibles a nivel nacional, regional y local."

DOF: "Una vez culminado el proceso a que se refiere el primer p·rrafo del art3culo 6 de los Lineamientos, el Instituto publicar· en su sitio electr3nico el listado de Canales Virtuales asignados y de aquellos planificados para futuras asignaciones, diferenci·ndolos por ·mbito nacional, regional y local. De Este se desprender·n por exclusi3n aquellos que se encuentren disponibles. El listado se actualizar· cada vez que se asigne, modifique o interrumpa la utilizaci3n de un Canal Virtual. Dicho listado tambi3n se encontrar· inscrito en el Registro P·blico de Concesiones."

This article got a lot longer. It still mentions that the IFT will publish a list of virtual channels, but it mentions that it will be updated often, and that the list will also be placed in the RPC. (I expect that at some point search by virtual channel will be possible.)

There's also a new Transitory Article 5 that allows for stations

to petition the IFT to begin using assigned virtual channels early.

What's also important is what's not here, a modification to the definition of "identity" that would have favored Televisa and other CIRT broadcasters by making station age and longevity part of it. The IFT did not do that.

We'll be getting a document from the IFT soon in which the institute responds to all the public comments it received, including mine (Raymie Humbert, Phúnix AZ, June 27, WTFDA Forum via DXLD)

Time for "News from Recent IFT Meetings". There isn't much, but there are two items of note. First up is the transition of another 79 radio permits and 44 TDT permits to public concessions. The IFT is moving lots of permits to concessions.

Meanwhile, XHRIO, XHSDD, various Azteca stations, Wave 3 SPR stations (such as Campeche, Aguascalientes, ObregÚn) authorized for multiprogramming. XHRIO and XHSDD have been doing multiprogramming for quite some time.

We also now have details on the social AM at Betania, Chis. to be operated by La Fuente de Poder, Educativa Indígena de Chiapas, A.C. It will broadcast with 1 kW on 1310 kHz under the callsign XERAM-AM. Coords: 16-36-32, 92-31-17, about 12 miles due southeast of San CristÓbal de las Casas.

óóó

Oh goody, that response document is already available. Let's sink our teeth into it!
<http://www.ift.org.mx/sites/default/files/industria/temasrelevantes/6017/documentos/respuestasgeneralesaloscomentariosdelaconsulta160616v1.pdf>

You have to go to page 23 to start seeing actual words from the IFT, and they reference the public comments by number. For instance, I go first, so all my mentions are 1.x.

On shadows, the IFT says that there may be individual modifications in areas where they clash... (Given a national scheme, this is not as large of an issue.) "En relaciÓn con la manifestaciÓn listada con el numeral 1.I, se precisa que el Instituto valorar de manera individual cada asignaciÓn de canales virtuales que realice, para efecto de prevenir todas y cada una de las circunstancias que pudieran presentarse con la misma, como las expresadas en el numeral que se contesta, utilizando para ello la informaciÓn programática y/o comercial, así como la identidad del canal de programaciÓn."

Response 15 deals with the concerns I have had for a while (and which were also mentioned in the filings by Televisi n de Navojoa and the Garc a Herrera broadcast lawyers): "En relaci n con las manifestaciones listadas con los numerales 1.III, 1.IV, 1.VI, 3.V y 11.III, se consideran inatendibles toda vez que si un n mero de canal virtual asignado es utilizado por estaciones estadounidenses en alguna ciudad fronteriza, el Instituto analizar  el caso espec fico pudiendo determinar la asignaci n con los m todos para resolver los traslapes que establecen los Lineamientos, evit ndose de esta manera cualquier conflicto entre canales virtuales."

The Guidelines will determine the way forward to avoid virtual channel conflicts with border stations, though they really don't say much. (I had not noticed until now that the Navojoa filing expressed concern about border cities.) Our fears of double channel 7s and double channel 13s are not founded, but there's going to be a lot of confusion. A "next-channel-number-up" situation could put Azteca 7 on 8, for instance, or Azteca 13 on 14 (or, as would be the case in El Paso because of KFOX, 15).

Last edited by Raymie; 06-27-2016 at 10:19 PM.

Este programa es p blico, ajeno a cualquier partido pol tico. Queda prohibido el uso para fines distintos a los establecidos en el programa [tagline quoting a standard disclaimer] (Raymie Humbert, June 27, ibid.) DTV

** MONGOLIA. 17729.876, Ulanbataar still carrier on air early at 0047 UT, waiting for scheduled service performance from 0100 UT RFA Tibetan service.

But from 0052 UT heard another program feed, seemingly present LOCAL Mongolian service from Ulanbataar, probably to fill the gap til 0100 UT? RFA scheduled regularly 0100-0300 UT (Wolfgang B schel, short log of eastern Thailand remote SDR unit, Saturday, June 25, 2016 1:37 AM, DX LISTENING DIGEST)

** MYANMAR. 9730, Myanmar Radio, 1127-1130*, June 26. In vernacular; start of their singing ID jingle, which was cut off early. Recently have noted it takes a minute or less to switch frequencies from 9730 to 5985. 5985, Myanmar Radio, *1130, June 26 (Ron Howard, Pacific Grove, CA, Et n E1, antenna: Par Electronics EF-SWL, dxldyg via WORLD OF RADIO 1832, DX LISTENING DIGEST)

** NETHERLANDS [non]. PCJ RADIO INTERNATIONAL VINTAGE RADIO NETHERLANDS

In July, PCJ Radio International will present a special two hour

program called From the Radio Netherlands Archives. The special program will broadcast material from the Radio Netherlands archives that has not been heard since it was originally broadcast. Material will be from 1947 to 1995 and will include some rare material from Jerry Cowan, Dody Cowan, Harry van Gelder, Eddie Startz, Tom Meijer and many others. Also included will be rare performances recorded at the Wereldomroep of some internationally known artists.

The program will be presented by Paulette MacQuarrie; producer, editing will be Keith Perron who will also do the prologue. This will be the first of a number of specials. Listeners who write in will also get a special e-QSL.

N America: 0100 to 0300 UT ñ Frequency 7570 kHz July 18, 2016 [Mon]
Europe: 0600 to 0800 UT ñ Frequency 7780 kHz July 17, 2016 [Sun]
For more information contact PCJ at pcj@pcjmedia.com
(Keith Perron, Beijing, China, June 25, DX LISTENING DIGEST) via WRMI!

Radio Nederland Wereldomroep/Radio Netherlands Worldwide was my favorite station on shortwave. I hope reception will be "acceptable" to record the show on July 17 and/or July 18. It was always delightful to listen to their programmes in Dutch and English as well as the Sunday show "Happy Station" with Tom Meijer.

My RN QSL of the test transmission via new the Flevoland site dated May 21, 1985, heard at 1430 UT on 5955 kHz, a frequency RN/RNW used for decades - besides 6020 or 6045. The "best" RN QSL is the "Special Inauguration QSL" of Queen Beatrix of the Netherlands on April 30, 1980, an unique QSL. 73, (Manfred Reiff, Germany, dxldyg via DXLD)

It will be wonderful to relive the Sunday Happy Station show with Eddie Startz, brings back treasured memories of my youth in the 50s and 60s. I look forward to hearing these vintage recordings (Mike Terry, ibid.)

** NEW ZEALAND. Heard sad news this morning while listening to their 9700 broadcast. It makes their future dimmer [IMHO]. RNZI will be running on a single transmitter for both analog & DRM :/ SO now you won't be able to try DRM on 9890 while 9700 is on air :((Rafman, June 24, WORLD OF RADIO 1832, DX LISTENING DIGEST) Viz.:

RNZI MOVES TO A ONE-TRANSMITTER OPERATION 3:09 pm on 24 June 2016
<http://www.radionz.co.nz/international/pacific-news/307195/rnzi-moves-to-a-one-transmitter-operation>

Information for individual analogue short-wave listeners in the Pacific region.

RNZ International (RNZI) is retiring its 27-year-old analogue-only short-wave transmitter and moving to a one-transmitter operation.

From 1 July 2016 we will be using our newer digital/analogue transmitter and swapping between its digital short-wave and analogue short-wave modes throughout each day.

RNZ International (RNZI) is retiring its 27 year old analogue-only short-wave transmitter and moving to a one-transmitter operation.

The digital short-wave mode delivers a signal to relaying Pacific stations, and the analogue short-wave mode reaches individual short-wave listeners.

RNZI has made the decision not to replace the old short-wave transmitter, but to instead maximize the flexibility of our newer short-wave transmitter by using either its analogue or digital mode to deliver to different audiences at different times of the day.

We are also focusing on broadening the options for delivering our signal to relaying radio stations. These stations broadcast our daily news and current affairs content over their own local stations - and allow us to reach a large local Pacific audience.

By working with partners like the BBC World Service (Pacific stream) and Pacific Cooperation Broadcasting Limited (PCBL) (which includes the former TVNZ satellite service) we've been extending our content delivery via satellite. We'll be continuing to focus on this as a complimentary delivery to the DRM digital short-wave service.

RNZI's online content and delivery, partnerships and use of our specialist content by individuals, media and organisations in the Pacific and worldwide, is also growing.

The move to a one-transmitter operation will result in a reduced service to current individual short-wave listeners in the region. RNZI will still broadcast in analogue short-wave for extensive periods of each day, but there won't be a 24 hour service as there has been. This is likely to be most felt during breakfast hours when we will need to broadcast a digital signal for relaying stations, rather than an analogue one.

However, RNZI remains committed towards providing an analogue short-wave service for individual listeners across the Pacific. Our role in warning about, and covering, cyclones remains especially important. During cyclone season, RNZI has the flexibility to choose to broadcast entirely in analogue if we need to temporarily provide a fulltime service to individual listeners.

Over time we hope more individuals will be able to access our content online access the region. Online use of RNZI is growing quickly with Pacific visitors and others now increasingly accessing content on the RNZI site.

And in future years, as stations adopt other ways of receiving our signal, we may be able to devote more of our short-wave transmission capacity back into broadcasting in analogue.

With a mix of analogue short-wave, digital DRM short-wave, satellite, partnerships and online content delivery, we remain in a solid position to deliver our unique Pacific content to audiences in the region and beyond.

Our analogue and digital frequency schedule is available at <http://www.rnzi.com> along with with updated broadcast times.
<http://www.radionz.co.nz/international/listen>

[But NOT YET the single-frequency schedule! --- gh] See below

Linden Clark
RNZI Manager
Radio New Zealand
Linden.clark@radionz.co.nz
info@rnzi.com (via DXLD, also via Mike Terry, dxldyg, and Artie Bigley, Ivo Ivanov, WORLD OF RADIO 1832, DXLD)

It's telling that RNZI does not even expect any individuals to listen to them in DRM --- just as feeder for relays. Why aren't satellite feeds sufficient (and perhaps more reliable) for Pacific relayers, like countless other stations use? (Glenn Hauser, OK, DX LISTENING DIGEST)

My reception of RNZI on 15720 around 0400 and 11725 after 0500 has been quite good lately. Hope those transmissions continue.

Looks like the 100 kW Thomson transmitter from 1990 didn't have the longevity of the old AWA 7.5kw units that operated 1948-90. I guess the plans for a new 300 kW transmitter (mentioned for years in the WRTH) are now dead? (Stephen Luce, Houston, Texas, dxldyg via DX LISTENING DIGEST)

A strange press release text received today. RNzi has made the decision not to replace the old Thomson made short-wave transmitter of 1989 / 1990 year. I guess the Swiss-French made AM/DRM transmitter of Ampegon-Thales in Rangitaiki is already few years in performance service, at least since Nov 2006 year. And the other unit of Thomson

is of approx. 1989 / 1990 year. That's the future in radio, to move service to web online access on the Pacific outer islands too (Wolfgang B_schel, wwdxc BC-DX TopNews June 24, BCDX 27 June via WORLD OF RADIO 1832, DXLD)

From July 1, 2016 Radio New Zealand International moves to a one transmitter operation. Currently schedule of RNZI via two transmitters <http://swldxbulgaria.blogspot.bg/2016/06/rnzi-moves-to-one-transmitter-operation.html>

-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, June 24, dxldyg via DXLD)

Glenn, How will this affect NA listeners? (Artie Bigley, OH, DX LISTENING DIGEST)

Artie, We won't know for sure until the new schedule is posted, and it still has not been. Maybe not much, since the only current DRM transmission at a time when we can get it either way, is 07-08, UT M-F. The others are in our daytime (Glenn to Artie, via WORLD OF RADIO 1832, DXLD)

Hello, Does someone knows if RNZI has a transmitter (at least a smaller one) in reserve? It is a bit risky to operate a service without a reserve transmitter. A fire or a simple transmitter break can discontinue the whole shortwave service of RNZI without a fast replacement of the broadcast.

Does other DXERs realised that "The digital short-wave mode delivers a signal to relaying Pacific stations ..." Is RNZI the first station to use DRM as a distribution platform to other (relaying) stations for rebroadcast its feed? Does DRM signal provides the same stability as a satellite feed?

"During cyclone season, RNZI has the flexibility to choose to broadcast entirely in analogue if we need to temporarily provide a fulltime service to individual listeners."

Only question marks appeared in me reading the above statement. How do their listeners will know when a special broadcast takes place when they don't listen because formerly it was a DRM buzzing sound? Why shall they listen a buzz waiting if once someone will switch a button to turn the transmitter into analogue mode? Consumers - as well as listeners - doesn't like last minute changes and they don't react very positively to these last minute changes. Regards, (Tibor Gaal, Budapest, Hungary, dxldyg via DX LISTENING DIGEST)

Well, the fast replacement would presumably be a third-party facility. Broadcast Australia would be a potential provider of course.

"Retiring" not necessarily means that they will within days hire some guys who will break apart the transmitter and dump anything into a scrap container, with the collection of spare parts on top. On the other hand a major incident in the transmitter room could easily knock both transmitters out.

Be that as it may: It appears that they indeed no longer have own back-up facilities. I understand that the ancient shortwave transmitters of the Titahi Bay station had first been kept when Rangitaiki went on air. They even still appear to be there, as shown at <http://www.radionz.co.nz/national/programmes/none/galleries/Titahi%20Bay%20Transmitter%20Site>

But the antennas are gone. Only a single 135 metres mast for quintuplized mediumwave transmissions is left now if the descriptions are correct.

``Does other DXERs realised that "The digital short-wave mode delivers a signal to relaying Pacific stations ..." Is RNZI the first station to use DRM as a distribution platform to other (relaying) stations for rebroadcast its feed?``

At least I never heard of anyone else doing this. But of much greater interest (if still of interest at all) should be how it is a matter of course now that DRM is run for this purpose only and direct service to listeners means AM.

``Does DRM signal provides the same stability as a satellite feed?``

It already makes me shudder that such a signal source with less than 20 kbps is used for FM broadcasting at all.

``"During cyclone season, RNZI has the flexibility to choose to broadcast entirely in analogue if we need to temporarily provide a fulltime service to individual listeners."

Only question marks appeared in me reading the above statement. How do their listeners will know when a special broadcast takes place``

From earlier programming? I don't see a problem here, since this will not come completely unannounced. And they consider emergency information here (Kai Ludwig, *ibid.*)

Some anonymous remarks from the region: Standard lament about right-wing government that has not increased the budget of Radio New Zealand in the eight years since it assumed office. The reason for a break of operations with the old transmitter some months ago was that they had

no money for a new tube. No information available about the real use of the DRM feed service, probably they just can not swiftly dispose of it after spending quite some money on it.

From my side: The dish size needed to receive the Intelsat 19 signal is around three metres (the usual C-band monster as seen on a lot of SWBC transmission facilities), which may be an issue. Intelsat 19 delivers also BBC World Service and NHK World but not Radio Australia, which may have rebroadcasters in the Pacific, too (Kai Ludwig, dxldyg via WORLD OF RADIO 1832, DXLD)

So, any prediction on the final analogue transmitter transmission?
(Walt Salmaniw, BC, dxldyg via DX LISTENNIG DIGEST)

The present RNZi website shows only 3 DRM mode transmissions, in range 1651 to 2050 UT, {i.e. 7330, 9700, and 11725 kHz will be ceased?}
Remaining time will be still in AM mode on a single transmitter in future?

``NB: Every month on the first and third Wednesday it is Maintenance day at our transmitter site from 2230-0600 UT (Thursdays 1030-1800 NZST) During this period there may be interruptions to our programmes`` 73 wb (Wolfgang B.schel, DXLD)

The actual RNZI schedule has DRM transmsions from 1651 to 1850 on 5975 kHz (7330 kHz in AM), 1850-1950 on 9760 kHz (both to Cook Islands, Samoa and Tonga, 9700 kHz in AM) and from 1951-2050 on 11690 kHz to the Pacific (11725 kHz in AM).

It could mean that there will be no analogue broadcasts between 1651 and 2050 UT in future. Analogue transmissions may be in the time period 2050/2051-1650 UT except for maintenance on the 1st and 3rd Wednesday of the month from 2230-0600, at that time there will be no broadcasts (Manfred Reiff, dxldyg via DXLD)

Finally the new schedule appeared UT June 30:

UTC	kHz	Target	Days	Schedule Updated 30/06/2016
0000-0458	15720 (AM)	Pacific	Daily	
0459-0658	11725 (AM)	Pacific	Daily	
0659-1058	9700 (AM)	Pacific	Daily	
1059-1258	9700 (AM)	PNG	Daily	
1259-1650	6170 (AM)	Pacific	Daily	
1651-1858	7330 (AM)	Pacific	Sat	
1651-1850	5975 (DRM)	Cook Islands, Tonga, Samoa	Sun-Fri	
1850-1950	9760 (DRM)	Cook Islands, Tonga, Samoa	Sun-Fri	
1859-1958	9700 (AM)	Pacific	Sat	
1951-2050	11690 (DRM)	Pacific	Sun-Fri	

1959-2058 11725 (AM) Pacific Sat
2051-0000 15720 (AM) Pacific Daily

So the three DRM segments are daily except UT Saturday when reverts to AM but not on same frequencies (via Glenn Hauser, DXLD)

** NEW ZEALAND. Rangitaiki (New Zealand) --- Good afternoon, what's this, at 38 52'S, 176 26'E?

<https://bit.ly/28XZCyj>

<https://goo.gl/maps/bnJx1v5bQwr>

Looks like a mediumwave facility to me, perhaps even with a microwave tower at the transmitter hut.

It struck my eye because it's just three kilometres away from the Rangitaiki shortwave transmitter. Could even be involved in the audio routing to the shortwave facility if there is really a mediumwave facility and a microwave link to it.

By the way, checking out Google Streetview is really worth here simply for getting a general impression of the area. It very much differs from what I had imagined so far when seeing the "Rangitaiki" site designator (Kai Ludwig, Germany, June 25, mwmasts yg via DXLD)

NZL __ ZLM Taupo Maritime Radio 2207 4146 6224 8297 12356 16531 kHz.
location / masts
38 52'09.67"S 176 26'19.63"E
wb (Wolfgang B.schel, ibid.)

** NORTH AMERICA. 6924.99-AM, June 24 at 0104, only trace on the pirate band is a JBA carrier here which with storm noise level (SE KS and SW MO) amounts to S9+10; still going past 0137 with some talk modulation audible. If it's the same station many heard
<http://www.hfunderground.com/board/index.php?topic=28772.0>
starting at 2224 June 23 (NOT June 22: initial post subject had wrong date!), and as late as 0127, it was eventually relay of an FM pirate Radio Free Olympia (Glenn Hauser, OK, DX LISTENING DIGEST)

** NORTH AMERICA. 6874.70-AM, June 26 at 0229, weak music at S7 vs noise peaks of S9+10. Earlier in the hour and later there were reports of unID or CPR on 6875-USB, so presumably this is separate:
<http://www.hfunderground.com/board/index.php/topic,28799.0.html>
(Glenn Hauser, OK, DX LISTENING DIGEST)

** NORTH AMERICA. 6873.55, June 27 at 0048, JBA carrier, the only sign of activity on the pirate band. Numerous logs here from further east, especially New England, between 0018 and 0127 say it's Pirate Radio Boston, featuring Weird Al:
<http://www.hfunderground.com/board/index.php/topic,28826.0.html>

Initial thread header says 6873.4, later 6873.5 (Glenn Hauser, OK, DX LISTENING DIGEST)

** NORTHERN MARIANA ISLANDS. SAIPAN. 17785.054 kHz odd frequency at 0030-0100 UT, heard IBB RFA Burmese service from Saipan Mariana Islands, couldn't find any listings yet. S=9+15dB or -61dBm signal in eastern Thailand remote post. \\ 15700 Tinian, 12115 Kuwait.

Also noted Tinian 15690 RFA TINIAN in Laotian language, S=9 signal in eastern Thailand unit (Wolfgang B, schel, short log of eastern Thailand remote SDR unit, Saturday, June 25, 2016 1:37 AM, DX LISTENING DIGEST)

** OKLAHOMA. Applications to extend existing STAs were *granted* to: WKY-930 Oklahoma City OK (U1 5000/1250);

Applications filed:

930, WKY OK Oklahoma City ñ Applies for U1 5000/510, coordinates to 35-33-43/97-30-24.

[?? coordinates per FCC AM Query show exactly same latitude, but longitude 3 seconds east of old site, essentially at same field ñ gh]

Applications to extend existing STAs were *received* from: KOKC-1520 Oklahoma City OK (U1 10000/10000);

AM Log Updates:

1550, KMAD OK Madill ñ Adds // K247CK-97.3; delete // KICM-97.7. (FCC)
1640, KZLS OK Enid ñ Networks to SRN/P/CMP/RER.
(AM Switch, NRC DX News July 4 via DXLD)

** OKLAHOMA [and non]. 1390, June 23 at 0528 UT, first on a non-DX radio I notice praise music in Spanish on 1380, obviously KRCM Shenandoah TX, R. Aleluya, still throwing its 22 kW day power toward us at night, as always --- but no need to avoid splash from local 1390 KCRC --- that's because KCRC is off! And along with 1390, the nasty spurs perpetually putting hets on 1420 and 1360. Very unusual for KCRC, instead of NSP = non-stop programming/no silent period (remember those?).

So I concentrate on DXing something on 1390 itself from 0530 UT to 0550 UT, but nothing ever emerges above the pileup and even some splash from KRCM. Except with BFO I do detect one signal very slightly on the hi side of 1390, roughly E/W. Maybe better at SRS? Reawake at 1127 UT there is something with a bit of an edge in English talk, but still uncopiable. By 1155 recheck, KCRC is finally back, blasting ESPN (Glenn Hauser, Enid, DX LISTENING DIGEST)

** OKLAHOMA [and non]. 1640, June 24 at 0150 UT, as the sun is

setting, it's time to check the X-band, to find that local KZLS Enid-Hennessey-OKC is OFF; instead some silly sports talk about NBA draft, obviously WTNI Biloxi MS, which I cannot believe is not always running 10 kW ND day power, as I can hear it even when KZLS is on, underneath, and generally better than the other 1 kW X-banders at night. KZLS is sibling station to KCRC 1390 which was off the air night before.

1640, June 24 at 0553 UT, KZLS is still OFF, like earlier in evening. Possibly correlates with a non-severe storm which recently moved thru the Hennessey transmitter site area (but not Enid); and nobody has got out to the site to reset something (if not more serious). But it's still off at many further chex: 1337 UT, 2220 UT; June 25 at 0138 UT and 0406 UT.

1640, June 25 at 1239 UT, KZLS Enid/Hennessey/OKC is still off the air; and still still at 0048, 0310 and 0441 chex June 26.

1640, June 27 at 0133 UT check, KZLS Enid is still off. If this keep up much longer, may call or visit station re what's up.

1640, June 27 at 1921 UT check, KZLS Enid/OKC is still OFF. Also still off at 1618 June 28.

1640, June 29 at 1913 UT, KZLS is finally back on the air with usual talk programming. Had been missing at least since June 24 at 0150 UT and daily chex since (Glenn Hauser, Enid, DX LISTENING DIGEST)

** OKLAHOMA. 13550, June 27 at 1914, suspicious JBA carrier on the R75, so I subtract 1390 from it and get: 12160: ergo, external mixing product between local KCRC and WWCR. (I don't really expect this item to be republished, but my log includes local items I need to keep track of. However, it could also serve as an example of what others should be on the lookout for in their own circumstances.) (Glenn Hauser, OK, DX LISTENING DIGEST)

** OKLAHOMA. It's Field Day! So I make a cursory check of the HF hambands, June 25 from 1936. Nothing on 18 or 21 MHz, so no point in even trying 24 or 28. 14 MHz has a lot of signals, but all weak during awful propagation conditions. 3 MHz has no signals at all, at midday. That leaves 7 MHz, which does bear a lot of FD activity, mostly weak too, except for: W5HTK, Enid Amateur Radio Club, S9+60, stronger than any SW broadcasters by skywave reach here, since it's only a few blox away? Or in a Field a bit further. Keeps QSYing, calling CQ Field Day, from 1934 on LSB: 7201, 7204, 7207, 7219, 7239 by 1943. Arcane alfnuerix are uttered to successful contacts: ``6-alfa-oklahoma``, such as on the latterest, with N0ZS, who replies, ``2-alfa-Missouri``.

The Enid ARC website <http://www.enidarc.org> bears nothing at all to

promote Field Day, not even on its calendar, but rather: ``The ETN Community Spotlight proudly presents The Enid Amateur Radio Club``
<https://www.youtube.com/watch?v=YDqEquwKhKg&feature=youtu.be%22%22>

A segment on the local cable-access channel usurped by Enid city government from the late lamented Pegasys.

After dark, UT June 26 around 0241, I find both 20m and 40m are crammed with Fieldayers, as this is also a contest (Glenn Hauser, Enid, DX LISTENING DIGEST)

** OKLAHOMA [and non]. [Re 16-25]: Thanks for the listen, Glenn. You are correct in assuming changes in the schedule.

We are changing things up a bit on the schedule starting this week. I'm cutting back to 30 minutes/week on WBCQ but have recently added 30 minutes/week on WINB as well as two slots on 890 AM KTLR, daytime medium wave station in Central Oklahoma, which allegedly may make it up to Enid [it certainly does --- gh]

Rationale for changes is that I'm trying to match the right content to the right station/listeners. Notwithstanding Brother Scare, most of their [WBCQ] most-listened-to programs are non-religious in nature. WINB, on the other hand, is mostly a religious station, but also has the added bonus of having cheaper air time, so I decided to try them out for Mennonite Radio.

And as for the local OKC metro medium wave station --- that's an experiment. I'm not sure I'll keep both time slots over the long-haul but I am pretty sure we will be there for the foreseeable future. I am having to improve my recording/editing skills for the local/daytime medium wave context as listeners can hear many of the noise issues that were previously concealed with the static background of shortwave DX.

The schedule as it stands now is as follows:

Thursdays, 2330-2400 UT
WBCQ, Monticello, ME, USA
7490 kHz

for now will be one of our non-religious BSR programs (Exploring Aspergia, Peace Buzz, Nappy Roots Radio), but I'm thinking about maybe transitioning this into a variety/magazine format show, akin to the English language programs of RHC.

Friday, 1600-1615 UT (11-11:15 am CDT)
KTLR, Oklahoma City, OK USA
890 kHz (medium wave)

15 minute variety/magazine format show, often airing Mennonite Minute and Quick Note from Pointing Left Media

Sundays 0330-0400 UT
WINB, Red Lion, PA, USA
9265 kHz
0330-0400 UT
Mennonite Radio

Sundays, 1300-1400 UT (8-9 am CDT)
KTLR, Oklahoma City, OK USA
890 kHz (medium wave)
1st half hour is Mennonite Radio
2nd half hour is alternating between other BSR programs - Exploring Aspergia, Nappy Roots Radio, Peace Buzz, etc.

Mondays
Channel 292, 6070 kHz
1400-1500 UT
1st half hour - Alternating between Mennonite Radio & Exploring Aspergia
2nd half hour - Music programming, but possibly other shows - Peace Buzz normally airs at least once per month in Europe.

Unique Radio 3210 [NSW]
Once station is back transmitting, I'm hoping to air 2-4 hours weekly, but I think UR is playing some of the BSR programs now via their internet stream. Thanks for listening and your comments (James Branum, <http://BroadSpectrumradio.com> June 24, dxldyg via WORLD OF RADIO 1832, DX LISTENING DIGEST)

** OKLAHOMA. Enid, 36, K36MV. Site changed to 36-50-46/97-39-33 (N. 3000 Rd., Medford); requests further change to 37-15-39/97-35-11 (between Milan & Mayfield, Kans.)

Enid, 42, KBZC-LD. Requests power increase to 7.2kw, 35-35-51/97-29-22; (John Kilpatrick Turnpike & US-77, Edmond) granted; call changed from K42LL (FCC News by Doug Smith, July WTFDA VHF-UHF Digest via DXLD)

These DTV are not really on the air, but good riddance!! (Glenn Hauser, Enid, DX LISTENING DIGEST)

** OMAN. vs CUBA Radio Sultanate of Oman vs Radio Habana Cuba, June 20
1800-2030 15140 THU 100 kW / 315 deg WeEu Arabic R.Sultanate of Oman
1800-1830 15140 BAU 100 kW / 340 deg WNA Arabic Radio Habana Cuba
1830-1900 15140 BAU 100 kW / 340 deg WNA Creole Radio Habana Cuba
1900-2000 15140 BAU 100 kW / 340 deg WNA English Radio Habana Cuba

2000-2030 15140 BAU 100 kW / 340 deg WNA French Radio Habana Cuba
<http://swldxbulgaria.blogspot.bg/2016/06/radio-sultanate-of-oman-vs-radio-habana.html>

(DX RE MIX NEWS #954 from Georgi Bancov and Ivo Ivanov, June 27, 2016 via DXLD)

15355, Radio Sultanate of Oman-Thumrayt, at 2250, on 20 Jun, in Arabic. A pop style song sung by a male singer was playing. This was followed by a new song with several male singers. Poor (John Cooper, Lebanon, PA-Equipment: Winradio-G33DDC, CommRadio CR-1a, SDR-IQ, Sangean ATS-909X w/Clear Mod, Wellbrook ALA1530S+, Wellbrook ALA1530LNPro, Pars SWL Sloper, GAP-Hear It-In Line Module, Timewave ANC-4, NASWA Flashsheet June 26 via DXLD)

This frequency is A-16 registered with HFCC for 22-24 UT on 315 degrees (also at 02-04 in Arabic, English, 220 degrees). Tho they have only one transmitter, a few other frequencies are also registered for one or both of the 22-24 UT hours. They could also be on yet other frequencies listed for other hours or other seasons (Glenn Hauser, DX LISTENING DIGEST)

[and non]. 11645even, INDIA, AIR English service in AM mode (2 Hz lower side), and also \\ 11710even kHz. S=9+10dB into Central Europe. String instrument music at 2353 UT on June 22. But a lot of QRM by Holy Quran prayer of Sultanate Oman Radio of powerhouse adjacent 11650 kHz, latter S=9+35dB (Wolfgang B.schel, Some logs of last UT night June 22 / 23, DX LISTENING DIGEST)

RADIO OMAN WITH ITS ENGLISH SERVICE ON AIR AT UNUSUAL TIME --- To start with, let me say that I don't know if this is something really new or an error by Radio Oman which tonight is on the air on 15140 kHz with its excellent English service. I noted the station from 1724 to 1741 UT and later from 1805 with news and western pop music. It is not useless to say that according to WRTH English programmes are relayed on shortwaves at 0300-0400 as well as 1400-1500. At time of writing this message the English service is still on air (Antonello Napolitano, Italy, 1821 UT June 24, dxldyg via WORLD OF RADIO 1832, DX LISTENING DIGEST)

It is 1920 UT and Radio Oman is still on air with English programming (identification) and western pop music, S9+10~S9+20 with moderate fading. 73, (Manfred Reiff, Germany, ibid.)

Of course after 1800 UT, 15140 is blocked here by CUBA (gh, ibid.)

Radio Sultanate of Oman in Arabic, instead of English June 24
1400-1500 15140 THU 100 kW / 315 deg WeEu Arabic, instead of English
from 1500 15140 THU 100 kW / 315 deg WeEu Arabic, as scheduled A-16:

http://swldxbulgaria.blogspot.bg/2016/06/radio-sultanate-of-oman-in-arabic_24.html
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30
m. long wire, dxldyg via DX LISTENING DIGEST)

** PALAU. 9965.043, June 25 at 1225, Brother Scare is not only off his
rocker but off his T8WH frequency. Says his 86th birthday will be May
3, 2019, and so the world will then be ready for second coming of J.C.
six months later. Yeah, right (Glenn Hauser, OK, DX LISTENING DIGEST)

** PAPUA NEW GUINEA. 3260, NBC Madang at 1138 in Pisin, song, seven
minutes of talking by man, at 1200 broke into song for NBC news in
English by woman, 1206 Contemporary Christian song iWho Am Ii, went
past 1206 but checked again at 1217 and they were off. - Fair June 23
(Harold Sellers, Vernon, British Columbia, listening in my car, by the
lake, with the CommRadio CR-1a and Sony AN-1 active antenna. Editor of
World English Survey and Target Listening, available at
<http://www.odxa.on.ca> dxldyg via DX LISTENING DIGEST)

3260, NBC Madang, 1054, June 27. In Pidgin with an interview; 1101
seemed to be the news (not // to 3325 NBC Bougainville); pop songs;
1201-1205 "NBC news"; suddenly off at 1209*; poor, but much better
reception today than the last two days (Ron Howard, Pacific Grove, CA,
EtUn E1, antenna: Par Electronics EF-SWL, dxldyg via DX LISTENING
DIGEST)

** PERU. 1540.5, OCU2X, R.Turbomix, Cajamarca, MAY 28, 0858 - Good het
against 1539.999 KXEL Waterloo and 1539.984 CHIN Toronto. Measured
1540.500 kHz which is the offset for R.Turbomix. At 0901 heard a
Spanish ballad with light guitar music rising out of the domestic
splatter; audio clip:
<http://www.bamlog.com/turbomix.mp3>

The second Peru offset found in a week, with 1140.251, OCY4C R.
Programas, observed MAY 21 at this same time (Bruce Conti, WPC1CAT,
Nashua NH; WiNRADiO Excalibur, MWDX-5 phasing unit, 15 x 18-m
terminated SuperLoop 60 northeast, 15 x 23-m variable termination
SuperLoop 180 south, NRC International DX Digest via DXLD)

R. Turbomix is widely reported in Europe, and NZ, IIRC. Could this be
Krueger's unID on 1540.6? DXLD 16-25 (gh, DXLD)

** PERU. 5025, Radio Quillabamba. In the past week or so I have been
exchanging e-mails with Arianna [sic] Díaz who does volunteer work at
Radio Quillabamba. Her initial contact was reaching out to foreign
listeners of the station which is celebrating its 50th anniversary
this year.

Ariana Díaz, who is a Costa Rican volunteer worker at the station,

contacted me since I sent the station a reception report back in 1987; she actually obtained my e-mail address seeing an online reception report to Radio Rhino International a few years ago. Ariana is 29 year old theologian from Costa Rica who came to Quillabamba for the first time in 2012. Ariana stayed for 4 months which were some of the most important months of her life. That is why she came back this year, to celebrate the 50th anniversary with friends. Ariana does some volunteer work with the Dominican friars in the parish (visiting rural communities) and also helps with some tasks at the radio station.

She is not an on air person but instead helps with the 50th anniversary activities organization and working with another girl on some videos for the radio's social networks. She recognizes that radio has been vital for the local communities' development in this region of Per', every single person on this place has a lot of experiences related somehow to the radio's work.

She mentioned that there have been some important problems with our shortwave antenna that have affected our coverage. This is a great shame, because some of the native cultures deep in the Amazon used to listen to us and now they can't. Our current director has been working hard to solve those problems. The director when I wrote to the station was Padre Rufino. She tells me that Padre Rufino is right now in Spain, because he has been a little bit sick. But I understand that he is coming back to Per' in the next weeks.

Radio Quillabamba's actual director is Padre Luis Ricardo Villegas. He is a young Peruvian man, and he is doing a great job, as well as all the radio's employees. Currently, we are making arrangements to do a video of some sort with a 50th anniversary congratulatory message for Radio Quillabamba (Rich D'Angelo, PA, NASWA Flashsheet June 26 via DXLD)

They should find a frequency, even way out of band, to avoid colliding with Cuba's Radio Rebelde. Or at least shift to 5030, where another Peruvian is listed but long-gone (Glenn Hauser, DXLD)

** PERU. 5980, June 25 at 0102, JBA carrier from R. Chaski, until clear cutoff at 0102:48*, which is 52.5 seconds later than last check 8 nights earlier, June 17 until 0101:55.5*, or averaging 6.56 seconds later per, i.e. exactly the same within margin of error to previous span calculated at 6.55.

5980, June 27 at 0102, JBA carrier from R. Chaski, until cutoff at 0103:00.5*, which is 12.5 seconds later than two nights ago, or slipping 6.25 per.

5980, June 29 at 0102, JBA carrier from R. Chaski, until cutoff at

0103:13.5* which is 13 seconds later than two nights, ago, June 27 until 0103:00.5*, accurately slipping 6.5 per (Glenn Hauser, OK, DX LISTENING DIGEST)

** PHILIPPINES. 11825, RVA (Palauig-Zambales) *1358-1402+ 20 June. IS/ID loop ("This is Radio Veritas Asia broadcasting from Quezon City in the Philippines. Please stay tuned for the broadcast in Bengali on 11.825 Megahertz, 19.77 meters, which follows at 1400 UTC"), trumpet bridge and beginning of Bengali service. LDPOG's "message" just a slight background annoyance [WRMIBS] (Dan Sheedy, Moonlight Beach, CA PL380/6m X wire [v.2.0], DX LISTENING DIGEST)

** PHILIPPINES. Two FEBC Bocaue signals observed this morning.

15435.004, FEBC, Shan language program, S=8-9 proper signal logged in eastern Thailand remote post. Girl singer program. But suffered by strange 4 kHz wide ute scratching signal on 15431-15435 lower flank.

15639.978, FEBC, Bocaue, in Burmese language, S=9+5dB or -70dBm in eastern Thailand remote post (Wolfgang B, schel, short log of eastern Thailand remote SDR unit, Saturday, June 25, 2016 1:37 AM, DX LISTENING DIGEST)

** RUSSIA. Hi Glenn! In DXLD 16-25 you were asking for a schedule of RWM. I attached what I found in a 20-year-old booklet of VNIIFTRI about Russian Time signal stations. I guess there is not too much change in programme formats of time signal stations over the years. ;-) 73, (Patrick Robic, Austria, DX LISTENING DIGEST)

Tnx, Patrick. The PDF of a photocopy does not allow accurate copying and pasting of the Cyrillic into Google translate. Nor does it seem to accept Russian transliterated into Roman which I have done anyway and make some educated guesses about what it means. It's not clear how W in Roman = B in Cyrillic (maybe Germanic influence), but note the callsign of RWM becomes PBM (or vice versa)

PBM

[clock for each hour]:

0000-0755 & 3000-3755 signaly non [dead air]

0800-0900 & 3800-3900 peredatchik vyklyuchen

0900-1000 & 3900-4000 signaly opoznavaniya radiostantsii [ID]

1000-1955 signaly A1X, sodyerzhashchiye sekundnye [second pips]

4000-4955 minutnye metki i informatsiyu DUT1 [binary code info]

2000-2955 & 5000-5955 signaly DXXXW [??? notices to DXers? Hi]

rabotayet odnovremenno na trekh chastotakh, kromye pervoi sredy pervogo myesyatsa kvartala (dlya 4996 kGts)

vtoroi sryedy pervogo myes yatsa kvartala (dlya 9996 kGts)

tretei credy kakhdogo nechetnogo myesyatsa (dlya 14996 kGts) 0800-1600

Perhaps some of our Russian speakers can translate all this accurately, from the pdf if not from this version (Glenn Hauser, dxldyg via WORLD OF RADIO 1832, DX LISTENING DIGEST)

I don't speak or read Russian beyond Da and Nyet, but I have heard RWM and the 'schedule' is pretty fixed so I think I can interpret SOME of what it is SUPPOSED to be saying --- I would be curious how accurate my read is from a Russian speaker!

The "Times" are minutes and seconds; so you're missing a colon that would be used in English time nomenclature which would make things strange looking to our eyes and the ITU codes for modulation are 'standard' but rather obscure to many DXers --- A1A is "normal" CW, A3E is "normal" AM voice and F3C is "normal" HF fax for example.

I interpret what you sent earlier as follows:

xx00:00-xx07:55 & xx30:00-xx37:55 NON signals (NON = ITU code for no modulation / open carrier)

xx08:00-xx09:00 & xx38:00-xx39:00 transmitter is turned off

xx09:00-xx10:00 & xx39:00-xx40:00 CW identification

xx10:00-xx19:55 A1X "pips" of the seconds and minute

(A1X = ITU code for AM, with one channel containing digital info, no other details)

xx40:00-xx49:55 Minute and second pips plus DUT1 correction [in binary code ñ e.g. some seconds have doubled pips in a code to tell you how far fast or slow the UTC signal sent by RWM is from DUT1]

xx20:00-xx29:55 & xx50:00-xx59:55 signaly DXXXW (If that is an ITU code, it is not one I'm familiar with. DXW would make some sense but it is a rather "unusual" mode -- A combination of AM and FM or PM, either simultaneously or in a pre-established sequence with no defined style of modulation and intended for reception either by human ears, a device or some combination of those things.

Aired simultaneously on three frequencies, except for ?????? (on 4996 kHz) vtoroi sryedy pervogo myes yatsa kvartala (no clue what this might be!) ???? (on 9996 kHz) tretei credy kakhdogo nechetnogo myesyatsa???? Something about third??? (on 14996 kHz) 0800-1600 (Is that in UT or Russian time???)

OK Russian speakers -- how close was I? :) 73 //Ken Zichi

-- (Kenneth V Zichi radioguy73@gmail.com Is it time to cook yet? dxldyg via DX LISTENING DIGEST)

> 0000-0755 & 3000-3755 signaly non [dead air]

> 0800-0900 & 3800-3900 peredatchik vyklyuchen
tx is turned off

> 0900-1000 & 3900-4000 signaly opoznavaniya radiostantsii [ID]
signals of station identification

> 1000-1955 signaly A1X, sodyerzhashchiye sekundnye [second pips]
> minutnye metki i informatsiyu DUT1 [binary code info]

signals containing second, minute marks (pips) and DUT1 information

> rabotayet odnovremenno na trekh chastotakh, kromye pervoi sredy
pervogo myesyatsa kvartala (dlya 4996 kGts)
> vtoroi sryedy pervogo myes yatsa kvartala (dlya 9996 kGts)
> tretei credy kakhdogo nechetnogo myesyatsa (dlya 14996 kGts) 0800-
1600

it works simultaneously on 3 frequencies except
the 1st Wednesday of the 1st month of a quarter (for 4996),
the 2nd Wednesday of the 1st month of a quarter (for 9996),
the third Wednesday of every odd month (for 14996)
(Victor, Russia, dxldyg via DX LISTENING DIGEST)

The attached documents might simply confirm what is already known but
I'm providing them for completeness. The first is a page from the book
Zeitzeichensender / Time Signal Stations by Gerd Klawitter, copyright
1988, which I purchased in Bern in 1989 on one of my sabbaticals. The
second, more recent, is a page from the latest annual report of the
Bureau International des Poids et Mesures (Richard Langley, NB, ibid.)

Station Location Latitude Longitude Frequency (kHz) Schedule (UTC)
Form of the signal

RWM (1) Moscow Russia 56 44'N 37 38'E 4996 9996 14996

The station operates simultaneously on the three frequencies. A1X type
second pulses of 0.1 s duration are transmitted between minutes 10 and
20, 40 and 50. The pulses at the beginning of the minute are prolonged
to 0.5 s. A1N type 0.1 s second pulses of 0.02 s duration are
transmitted between minutes 20 and 30. The pulses at the beginning of
the second are prolonged to 40 ms and of the minute to 0.5 ms.
DUT1+dUT1: by double pulse.

RWM is the radiostation emitting DUT1 information in accordance with
the ITU-R code and also giving an additional information, dUT1, which
specifies more precisely the difference UT1-UTC down to multiples of
0.02 s, the total value of the correction being DUT1+dUT1. Positive
values of dUT1 are transmitted by the marking of p second markers

within the range between the 21st and 24th second so that $dUT1 = +p \times 0.02$ s. Negative values of $dUT1$ are transmitted by the marking of q second markers within the range between the 31st and 34th second, so that $dUT1 = -q \times 0.02$ s (via Langley, *ibid.*)

** RUSSIA. 7295, Radio Sakha on June 28 noted with clearly a major change in transmitter assignments. Ever since I first heard R. Sakha on May 7, the 7345 signal had been many times stronger than // 7295; that had been the case until today; certainly now 7295 is the stronger transmitter (250 kW?) and // 7345 is the much weaker one (100 kW?), with 7345 mostly blocked by CNR1 after 1101.

1117-1300*: seemed in Russian; played some pop songs, but also very nice segment (1215-1300) of traditional Russian music and songs; 1200 & 1300 brief IS of Jew's harp and time pips. New sign off time for weekdays? My audio of a portion of today's programming at <https://goo.gl/JUvBrH>

Would like to thank my email to R. Sakha on May 16, which alerted them to the reactivation of CNR1 (China) on 7345, had something to do with their decision now to switch transmitter assignments (Ron Howard, Pacific Grove, CA, Etûn E1, antenna: Par Electronics EF-SWL, dxldyg via WORLD OF RADIO 1832, DX LISTENING DIGEST)

There are also widely divergent azimuths for the two frequencies which would also account for differences in strength. Originally according to Ivo:

7295 250 kW was 45 degrees,
7345 100 kW was 310 degrees.

Perhaps they had really been reversed as now Ron has 7295 much stronger on the beam toward North America as one would expect rather than toward Europe. Is the reversal also evident there? (Glenn Hauser, WORLD OF RADIO 1832, DX LISTENING DIGEST)

Caught Radio Sakha (presumed), Yakutia Republic, Russia at 1225 UT, 7295 kHz June 28 with Russian music and talk by female announcer between songs. 1359:55 UT one-off IS and 1 time pip before transmitter abrupt off at 1300 UT. Good // 7345 kHz just detectable under others. (Mick Delmage, Sherwood Park, AB, Perseus SDR, Wellbrook Loop Antenna, DX LISTENING DIGEST)

Hi Glenn, June 29 heard R. Sakha with extremely weak signal on 7345 at 0938, along with V26 (Chinese numbers station) on 7345-USB.

7295, just like yesterday, abnormally strong signal from R. Sakha, with QRN (static); one of their favorite times to give a station ID is at about 50 minutes after the hour; today at 0949 with montage of

different pop songs and clear "Radio Sakha" ID; some ads. Audio of ID and ads at

<https://goo.gl/CbcTGK>

1000 no IS or time pips; went straight into the news(?).

Rechecked 7295 at 1056, only to find them off the air; no signal at all and none during subsequent checking till 1112. Whereas 7345 seemed to still be on the air, but only open carrier heard till hit with CNR1 sign on just before 1101 (Ron Howard, CA, dxldyg via WORLD OF RADIO 1832, DX LISTENING DIGEST)

** SAIPAN [non?]. 13790.048, June 28 at 0608, JBA signal with talk. Aoki & HFCC show it's only RFA in Chinese via Agignan Point at 03-07, jammed. But it's unusual for either one to be so far off-frequency (Glenn Hauser, OK, DX LISTENING DIGEST)

** SAO TOME E PRINCIPE. Hello Glenn, Yet another quick update on the chirping VOA Relay on 4940 from STP: This past Saturday 2016-06-25 when I checked between 2029 and 2100, there was no transmission at all on 4940, so it appears that the TX either broke down completely now or the issue has finally been taken seriously and will hopefully soon be fixed for good. BOT on 4930 was audible as usual (Tobias (T≤), Germany, 2016-06-28, WORLD OF RADIO 1832, DX LISTENING DIGEST)

** SOMALILAND. SOMALIA, Weak to fair signal of Radio Hargeysa, June 23 1500-1900 7120 HAR 100 kW / non-dir to EaAf Somali as scheduled A-16 1900&2000 7120 HAR 100 kW / non-dir to EaAf Somali extended, Ramadan <http://swldxbulgaria.blogspot.bg/2016/06/weak-to-fair-signal-of-radio-hargeysa.html>

-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30 m. long wire, dxldyg via DX LISTENING DIGEST)

** SOUTH CAROLINA [non]. 7780, June 27 at 0049, (while I am holding forth on 7730, WRMI), Brother Scare is re-re-re-replaying his May 31-June 1 bit criticising me for publishing what people hear him say, dimbulb accusing me of saying it, instead of credited Harold Frodge who would very much like BS to mention him by name (pronounced with a long O). Exactly the same thing about Napoleon not ruling Michigan, etc., as described in DXLDs 16-20 and 16-22, so I won't go into that again (but see UNSOLICITED TESTIMONIALS below).

Soon talks about Venezuela, which he hasn't a clue how to pronounce. Hey God, please enlighten Your Prophet ñ it's not quite too late! Or Brother Jeff could help him with that. Thus it's on all the other WRMIBS frequencies now, plus about 10 seconds later on 7489.90 WBCQ (Glenn Hauser, OK, DX LISTENING DIGEST)

** SPAIN. Open carrier/dead air, probably test from Noblejas

1100-1300 on 17855 NOB 200 kW / 290 deg to ENAm on June 23
<http://swldxbulgaria.blogspot.bg/2016/06/open-carrierdead-air-probably-test-from.html>

-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30 m. long wire, dxldyg via DX LISTENING DIGEST)

17855, June 25 at 1925, no signal from REE, so seems the North American beam is gone again, and on a sportive Saturday, no less. Propagation is awful, with solar flux of only 77, but I do detect a carrier on 17715 which would be Spain to elsewhere, always much weaker than 17855 when latter is operative (Glenn Hauser, OK, DX LISTENING DIGEST)

Radio Exterior de España now on air with extra program: Radio Exterior now on air, 1500, [Monday] 27-06, on 17855, 17715, 15390 and 15500, tuning music, news, program "Africa hoy" and later special soccer program, "Spain vs Italy, European Soccer Cup The match at 1600. Good signal (Manuel Méndez, Spain, dxldyg via DX LISTENING DIGEST)

** SRI LANKA. 11905, June 25 at 0115:17, 2+1 mis-timesignal is JBA from SLBC following prelude from about 30 seconds earlier.

11905, June 27 at *0114:41.5, SLBC carrier cuts on at S1 and seems strong enough to detect modulation, but cannot hear any music prelude or mis-timesignal, dead air past 0116. At 0145 recheck seems still DA or maybe just barely modulated. In the minute before *cut-on, there were utility-like blaaps, perhaps unrelated (Glenn Hauser, OK, DX LISTENING DIGEST)

** SUDAN SOUTH [non]. Radio Tamazuji with two different programs via MBR on June 24:
1430-1500 15150 NAU 125 kW / 152 deg EaAf Juba Arabic, not // on 15550
1430-1500 15550 ISS 250 kW / 134 deg EaAf Juba Arabic, not // on 15150
<http://swldxbulgaria.blogspot.bg/2016/06/radio-tamazuji-with-two-different.html>
73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30 m. long wire, dxldyg via DX LISTENING DIGEST)

Really totally different, or just way out of synch? (gh, DXLD)

** SWEDEN. The Sunday nearest Ernst F W Alexanderson's birthday falls on July 3 this year. Sweden's historic 17.2 kHz World Heritage VLF station will be open to visitors and plans two transmissions that day. Very probably, amateur station SK6SAQ will also operate for the occasion. The two transmissions will be at 0900 and 1200 UT, or 5:00 and 8:00 AM EDT in North America. Tuneup will begin approximately a half hour before each. The station's website is at <http://www.alexander.n.se>
(Source? via Mike Terry, dxldyg via DXLD)

** SYRIA. The official Syrian radio and television provides eight TV and eight radio streams at
<http://live.rtv.gov.sy>
All links were working when checked on several days in late June 2016. Special attention was paid to the external service at
<http://live.rtv.gov.sy/RCham.aspx?live=1>
The pop up schedule given there
http://live.rtv.gov.sy/images/Cham_Chart.png
does not reflect the current situation. Monitored:

0300-0600 Hebrew. 0530 Russian. 1500-2200 Turkish. 1700 Russian. 1800 German. 1900 French. 2000 English not monitored (because after midnight CEST [sic. ???]). 2200-2400 Spanish. 2300 Arabic. According to the pop up schedule the remaining time is filled with a relay of the Voice of the People. In reality the channel is silent when not carrying the external service (Dr Hansjoerg Biener, Germany, 26-28 June 2016, DX LISTENING DIGEST)

** SYRIA. 06/12/2016. Transfer of the Russian service of "Radio Damascus" with a good quality, you can listen on the web at the following address:
<http://82.137.248.20:1935/RCham/RChamLive/playlist.m3u8>
[not at all sure that is correct, with an -8? and spaces originally]
Interestingly, on Sunday broadcast issues pal program
"We and the audience." The site of the radio station:
<http://www.syriaonline.sy/radio.php>
here are laid out recordings of broadcasts per week ('DX COURIER"
Basil Gulyaev. Astrakhan, Russia, RusDX June 26 via DXLD)

** TAIWAN. 9725-AM, StarStar Broadcasting Station (XingXing BS), checking at 1308, June 27. Numbers in Chinese; fair (Ron Howard, Pacific Grove, CA, EtÛn E1, antenna: Par Electronics EF-SWL, dxldyg

** TAIWAN [and non]. 11070 & 11100 & 11470, June 23 at 1225-1230, JBA carriers slightly off-frequency, presumed Sound of Hope. Also 00B JBACs on 11430 and 11500, presumed CNR1 jammers of SOH (Glenn Hauser, OK, DX LISTENING DIGEST)

15070.207, SoH, Chinese language tiny signal S=3-4 or -104dBm, at 0010 UT on June 25 (Wolfgang B_schel, short log of eastern Thailand remote SDR unit, Saturday, June 25, 2016 1:37 AM, DX LISTENING DIGEST)

** TAIWAN [non non]. Direct transmission series 2016 year from RTI German service, Tamsui Taiwan.

RTI HKO Info 3-2016. Direktausstrahlung aus Taiwan 2016.

Liebe Mitglieder und Freunde des RTI Hoererklubs Ottenau, hier eine aktuelle Information, die ich heute von Bihui erhalten habe.

Ich hoffe auf einen guten Empfang der Direktsendungen und bedanke mich bei RTI fuer diese Sonderausstrahlungen (Bernd Seiser-D und Paul Gager-AUT, via wwdxc germany June 24)

Hallo alle zusammen, auch in diesem Jahr wird deutsches Programm direkt aus Taiwan ausgestrahltet. Die Empfangsberichte fuer diese Direktausstrahlungen werden wir mit Sonder-QSL Karten bestaetigen.

Der entsprechende Antrag ist gerade gebilligt worden. Angehaengt ist der Ausstrahlungsplan. Wir hoffen auf rege Beteiligung! und bitte die Informationen weiterleiten! Viele Gruesse aus Taipei - Bihui

RTI strahlt im August, September und Oktober 2016 das deutschsprachige Programm an mehreren Tagen direkt von der Sendeanlage Tamshui in Taiwan aus!

Empfangsberichte ueber die Direktausstrahlungen auf der Frequenz 11665 kHz bestaetigt RTI mit einer Sonder-QSL-Karte, von der Sendeanlage Tamsui Taiwan.

26.08.2016, 1600 bis 1700 Uhr UTC
27.08.2016, 1600 bis 1700 Uhr UTC
28.08.2016, 1600 bis 1700 Uhr UTC
02.09.2016, 1600 bis 1700 Uhr UTC
03.09.2016, 1600 bis 1700 Uhr UTC
04.09.2016, 1600 bis 1700 Uhr UTC

01.10.2016, 1000 bis 1100 UTC
02.10.2016, 1000 bis 1100 UTC
03.10.2016, 1000 bis 1100 UTC
08.10.2016, 1000 bis 1100 UTC
09.10.2016, 1000 bis 1100 UTC
10.10.2016, 1000 bis 1100 UTC DRM

Test:

22.07.2016, 1600 bis 1610 Uhr UTC
22.07.2016, 1620 bis 1630 Uhr UTC DRM
(Paul Gager-AUT, via wwdxc germany June 24 via Wolfgang B,schel, DXLD)

** THAILAND [and non]. 15564.9, June 25 at 0050, two signals, stronger one in Chinese off-frequency; VOA via Udorn is scheduled this hour only, and judging from wb's observations, it's the one off-frequency, rather than the CNR1 jammer (Glenn Hauser, OK, DX LISTENING DIGEST)

** THAILAND. 15589.963, Thin weak R Thailand Bangkok at 0025 UT June

25, S=4 -102dBm Signal strength. Due of nearby Skip zone of UdornThani broadcast center site of US IBB (Wolfgang B,schel, short log of eastern Thailand remote SDR unit, Saturday, June 25, 2016 1:37 AM, DX LISTENING DIGEST) North American service, barely audible usually (gh)

** TURKEY. 9770, June 24 at 0107, VOT fails to broadcast on wrong frequency 9830, but also fails to modulate at tune-in; I check // 9870 and stilted Spanish is going, also on 9770 by the time I get back to it.

9770, June 25 at 0059, La Voz de Turquía IS and ID, S6-S8, but no signal on // 9870 (nor 9830 mistaken alternate). 0119 recheck, now 9870 is on but S2, much weaker than 9770 (Glenn Hauser, OK, DX LISTENING DIGEST)

** TURKMENISTAN. Re: Ashgabat transmitters --- I don't think that the more recent eastern site was in use on 1125 kHz only. For starters WRTN 1994 also shows 153 kHz, already closed at this time.

I would also not jump to quick conclusions in regard to the four masts. Their use and configuration could have been changed over time, in particular of course when the southern side had to be superseded.

What can be said for sure is that 279 kHz now goes out from this eastern site, and probably so already before 2011. The same should now go for 576 kHz, if still on air.

It would give a clue when the date can be determined at which the current Bing and Yandex imagery of the southern site has been taken. It both shows one spray pond in operation, which would be a clear sign of either or both 279/576 kHz still being operated there if the imagery is post-2011, i.e. taken when the shortwave transmitters were no longer on air.

The official height data for 576 kHz indicates a ShARRT-257 antenna*). Which does not help much; staring at the available satellite imagery to recognize the antenna types is hopeless.

*) For reference:

<http://spb.rtrs.ru/files/27/34/27343eb57fe930a6c1decad4f2c12f86.png>
(Kai Ludwig, June 23, mwmasts yg via DXLD)

** UGANDA [non]. USA, Weak signal of Radio Munansi via WWRB Global 2 on June 25
1600-1900 on 15240 WRB 115 kW / 045 deg to ENAm Ugandan Sat/Sun
<http://swldxbulgaria.blogspot.bg/2016/06/weak-signal-of-radio-munansi-via-wwrb.html>

-- 73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

I tried it on UTwente, but just heavy splash from 15245. How do you know it is at 45 degrees, which should be better for Europe (Paris, not too far off Twente) than Uganda, which is at 70 degrees from Manchester? (Glenn Hauser, DXLD)

15240, Sunday June 26 at 1852, checking WWRB for Radio Munansi before it's over at 1900: a song is running, but sounds very strange, extremely bass voice and slow pace, as if played back at half speed, altho the instrumental accompaniment does not sound so slow/low, but probably also semispeed; was just much higher pitched and fast to start with (Glenn Hauser, OK, WORLD OF RADIO 1832, DX LISTENING DIGEST)

** U K [non]. 13580, June 24 at *0559, BBCWS via ASCENSION is S9+20, good for breaking news about UKOGBANI leaving the EU, which of course is the only news BBC covers past 0632+ when I fade out. For a few seconds at 0600 there was a strong SAH from some other unmodulated carrier, BBC another site, or another Ascensionian? (Meanwhile, 13725, RFI English hour direct from France is too weak, unreadable tonight.) No BBCWS bigsig to be heard after sunrise here! But

12085, June 24 from 1205 tune-in until 1300, R. Australia picks up the Brexit story, and nothing but, during the ABC-TV news hour soundtrack of 'The World' (how original), well done (Glenn Hauser, OK, DX LISTENING DIGEST)

** U K. Report by the Comptroller and Auditor General
BBC World Service Press Release 28 June 2016
http://www.bbc.co.uk/bbctrust/news/press_releases/2016/bbc_world_service

The BBC World Service has used savings generated since 2010 to invest in new digital and television services, and has successfully reduced its expenditure at a lower cost than expected, according to today's report from the National Audit Office. There is, however, scope to improve the approach to target setting and performance reporting.

The BBC World Service is an international broadcasting service that provides radio, television and online services in 29 languages. Since 2010, it has invested in new digital and television services, integrated its services more closely with the rest of the BBC, and in doing so, delivered efficiencies, and achieved an estimated audience of 246 million in 2015-16. In managing its transformation, the Service has closed five language services, opened one new one, and broadened the range of platforms it uses to reach its audience.

The NAO's analysis of financial data indicates that, by 2014-15, the Service had reduced its annual expenditure by £46.8 million, compared

to a baseline set in December 2010. The one-off implementation costs have been lower than expected as the Service has made fewer staff redundant than planned.

The NAO finds that the Service's targets for audience size for a three-year period to 2016-17, set by the BBC Trust and Foreign & Commonwealth Office, were set at or below the Service's forecast levels, and two of three were achieved in the first year. Despite this, they were not formally reviewed. Among the NAO's recommendations is that the BBC Trust and FCO should provide for an arrangement to review targets.

The NAO finds that the Service has made a proportionate attempt to estimate the size of its audience, but could be clearer about the methods and uncertainty associated with the two key approaches it uses on audience size and satisfaction to report on its performance, and report publicly on a broader range of measures, and in more depth. The Service has reported that it has met its targets on audience satisfaction, but this is based on data for BBC News as a whole as the BBC considers that its overseas audiences do not distinguish between its different overseas brands. . As the BBC continues to integrate its news services, it will become increasingly challenging for it to identify the performance of specific services.

Today's report also finds that when the World Service has recommended language services for opening or closure, it is not clear how it has taken cost-effectiveness into account, despite this being one of the stated criteria it uses for this purpose.

Nick Prettejohn, Chair of the BBC Trust's Value for Money Committee, said:

"Last year, the World Service reached, on average, 246 million people around the world each week with impartial and independent news and current affairs. This follows a period of sustained cost cutting, increased competition from other broadcasters and a shift in the Service's focus from radio towards a broader range of content across TV, radio, and online. This is a remarkable achievement and I am pleased that in their report today the NAO recognise that the Service has delivered Value for Money."

Amyas Morse, head of the National Audit Office, said today:

"The BBC World Service has successfully delivered much of what it set out to do in 2010, and has achieved value for money.

"With its core funding protected as part of the Government's White Paper on the future of the BBC, the Service now faces the new

challenge of optimising the additional funding of £289m it will receive over the next four years.

"The processes for setting its targets should encourage greater ambition, and the Service should look to report a broader range of performance information to give licence fee payers the confidence that it will continue to deliver value for money" (via Mike Terry, dxldyg via DXLD)

** U K [non?]. Hi, archived shows of Laser goes DX are now online at <http://www.mixcloud.com/garydrewshows>

The programme will return in October after an absence of 3 years by the time it hits the airwaves again. More details nearer the time. 73. Sent from my iPhone (Gary Drew Worldwide, June 29, dxldyg via DXLD)

** U S A. Re: ``Hello Mr Hauser, My name is Anish Lalit from the Voice of America Bengali department. We would like to please spread to fellow shortwave friends we are going to be on shortwave at the times below. . . ``

June 26 received this from the same outlook address which gave us the fake news above that VOA Bengali would resume on SW from June as later exposed by Kim Andrew Elliott to be false:

``Indian DX club sorry
Sunday, June 26, 2016 9:05 PM
From: "VOA Bengali" <voabengali@outlook.com>
To: "Glenn Hauser" <wgghauser@yahoo.com>

I am sorry for what happened we at the Indian DX club wanted them to return. We are sorry for bad news. Please put online for people to see. Sorry. Pradip Kundu, Shaikh Jawahar, Siddhartha Bhattacharje, Indian DX Club`` (via gh, WORLD OF RADIO 1832, DXLD)

** U S A. VOA ARMENIAN MARKS 65 YEARS ON THE AIR [sic, not SW or MW!]
<http://www.insidevoa.com/a/voa-armenian-marks-65-years-on-the-air/3391251.html>
(via Hansjoerg Biener, DXLD)

** U S A [and non]. VOA Radiogram, 25-26 June 2016: Trash from space
<http://voaradiogram.net/post/146410178207/voa-radiogram-25-26-june-2016-trash-from-space>

VOA Radiogram this weekend will include the Olivia 16-1000 mode with a center frequency of 2000 Hz. If you happen to experience co-channel interference consisting of voice and/or music, the robustness of the Olivia 16-1000 mode in combination with the higher audio frequency might allow a successful decode. At 40 words per minute, Olivia 16-1000 is faster than Olivia 64-2000.

Here is the lineup for VOA Radiogram, program 169, 25-26 June 2016, all in MFSK32 except where noted:

1:35 Program preview
2:45 Pluto may have liquid ocean*
10:17 Fiery re-entry for junk from ISS*
16:33 Olivia 16-1000 (2000 Hz): Zuckerberg PC security*
22:06 MFSK32: Image, mobile app transmitted by shortwave*
26:04 Closing announcements*
* with image

Please send reception reports to radiogram@voanews.com

VOA Radiogram transmission schedule

(all days and times UT):

Sat 0930-1000 5745 kHz

Sat 1600-1630 17580 kHz

Sun 0230-0300 5745 kHz

Sun 1930-2000 15670 kHz

All via the Edward R. Murrow transmitting station in North Carolina.

(Also substituting for DigiDX Sunday and Monday. See schedule below.)

The Mighty KBC will transmit to North America Sunday at 0000-0100 UT (8-9 pm EDT) on 9925 kHz, via Germany. A minute of MFSK32 will be at about 0030 UTC. KBC will also broadcast to Europe Sunday at 0900-1000 UT on 6095 kHz. A minute of MFSK32 will be at about 0930. Reports for KBC reception and decode to Eric: [themightykbc \(at\) gmail.com](mailto:themightykbc(at)gmail.com)

DigiDX will provide DX and media news in MFSK32 and a mixture of other modes:

Sunday 2130-2200 UT, 15770 kHz, via WRMI Florida

Sunday 2330-2400 UT, 11580 kHz, via WRMI Florida

Monday 2000-2130 UT, 6070 kHz, via Channel 292 Germany

Daily 1830-1900 and 0530-0600 UT, 6070 kHz, via Channel 292 Germany

Look for any additions or changes to the DigiDX schedule at

<http://www.digidx.uk/> or <https://www.facebook.com/digidx/>

IBC (Italian Broadcasting Corporation) has a broadcast to Europe on 6070 kHz, Wednesdays, 2000-2200 UT, with MFSK32 and Olivia 16-500 at 2030-2100. See <http://ibcradio.webs.com/> for the complete schedule and contact information.

Download apps via shortwave? A recent transmission of a mobile app from shortwave station KTWR in Guam, to a DRM receiver in Thailand, has caused much discussion. See coverage at drmna.info and The SWling Post. While DRM offers more bandwidth and faster download speeds than

the VOA Radiogram method of digital modes via analog radio, VOA Radiogram data can be received on any radio. [MNN TWR app report previously did not mention DRM being employed! GUAM, 16-25 --- gh]

Software to decode VOA Radiogram includes Fldigi from w1hkj.com and, for Android devices, TIVAR (via Dr Elliott, dxldyg via DXLD)

** U S A [and non]. 9840. June 24, 2016. 1920-1928, Radio Liberty, Lampertheim, Germany, in Russian. OM talks, ID: R. Sloboda [sic]; a brief Russian song; talks and brief song. Fair signal and poor modulation, 35432 (sometimes, 35433). (DXer: JosÉ Ronaldo Xavier (JRX), Location: Cabedelo-PB, Brazil (UTC-3), RX (s): Sony ICF-SW100S, Antenna: Portable Telescopic; Latest HF Propagation: 78-14-3 (Unsettled), Hard-Core-DX mailing list via DXLD)

IBB Radio Liberty/Svoboda in Russian continues on shortwave, June 26. Confirmed at 0600, 0700 and 0900 UT, all as scheduled. More videos will be added

<http://swldxbulgaria.blogspot.bg/2016/06/final-day-of-radio-libertysvoboda-in.html>
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, dxldyg via WORLD OF RADIO 1832, DXLD)

While already no longer shown at
<http://www.svoboda.org/howtolisten/affiliates.html>

But first I would wait for tomorrow, considering the possibility that the left hand does not know whether the right one will no longer put them on shortwave beginning in the morning of June 26 or will stop doing so in the evening of that day (Kai Ludwig, Germany, ibid.)

But probably RL Belarusian stop broadcasting on shortwave from today, June 26

0400-0500 on 6075, 6105 - no signal today June 26
1500-1800 on 9645-no signal on June 25, 15410 confirmed on June 25
(Ivo Ivanov, dxldyg via WORLD OF RADIO 1832, DXLD)

And SW frequencies no longer mentioned for broadcasts in Belarussian. But heard at 0420 on 6105 this Sunday (Jean-Michel Aubier, France, June 26, dxldyg via WORLD OF RADIO 1832, DX LISTENING DIGEST)

I just heard a bird chirping that IBB uses to implement changes to its Top Secret, For Eyes Only, NOFORN and WTF schedule around 1000/1100 UT: Indeed at some point around 1000 I found 15195 empty. Which, however, does not necessarily say that no such 19 mB signal went out from within Germany anymore. And include also RFE/RL Tajik, Turkmen and Uzbek in further monitoring. It was my suspicion from the start that these services will be taken off shortwave as well (Kai Ludwig, 1116 UT June 26, ibid.)

But I've observed and recorded Russian broadcast on 15195 kHz at 1000 UT, June 26. Videos will be added after few minutes. Next transmission is 1300 UT on 13720, 15195, 17850 (Ivo, 1227 UT, ibid.)

IBB Radio Liberty/Svoboda in Russian continues on shortwave, June 26. Confirmed at 06, 07, 09, 10 UT. But nothing at 13 UT on 13720, 15195, 17850. See first 5 videos:

<http://swldxbulgaria.blogspot.bg/2016/06/final-day-of-radio-libertysvoboda-in.html>
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, ibid.)

Usual US IBB operational schedule lasts the following day till 10 / 11 or 12 UT, according Washington central bureau time. All shortwave have gone now. Monitoring list still shows the MW 1386 and 738 kHz services, as well as FEBC, South Korea and RRI Bucharest Russian services remain. wb (Wolfgang B,schel, 1340 UT June 26, DXLD)

Just to make sure: "All" means that services for Belarus, Caucasus, Turkmenistan, Uzbekistan and Tajikistan were no longer on their previous shortwave frequencies, too? (I was out until right now and did not bother to take a radio with me.) By the way, one comment under the closure announcement at svoboda.org went

"now one can throw all shortwave radios away".

Monitoring 738 kHz is for whom? Polskie Radio? (The other stuff relayed there is of little relevance anyway.)

And any further observations about Biblis frequencies missing already yesterday? Here the question would be since when. I suspect that already on Friday, during regular working hours, someone went out to the Biblis plant and flipped the very big switch. [see also GERMANY]

If really all "classic" RFE/RL is gone from shortwave, the next question will be if Lampertheim transmitters are still in use, on the very few other slots scheduled for them (Kai Ludwig, 1801 UT June 26, DX LISTENING DIGEST)

Tajik was heard today at 1600-1700 on 7475 and 11910 and Uzbek at 1600-1700 on 9390 and 11790. Also avar (?) at 1600-1620 on 11780 or 11815 (unfortunately, I don't remember the single frequency which was on). Nothing on 9645 and 15410 (Belarussian at 1500) (Jean-Michel Aubier, France, 1812 UT June 26, WORLD OF RADIO 1832, DX LISTENING DIGEST)

Avar: Presumably 11815, supposed to originate from Woofferton. 11780 was Biblis, for which thus no substitute has been arranged.

Otherwise I must say that I find the silence deafening. This
<http://www.bbg.gov/blog/2016/06/10/radio-free-europeradio-liberty-announces-thomas-kent-as-new-president/>

gives just some biography but no background whatsoever, unless I fail to recognize it between the lines.

So all I have is an account of a recent visit at RFE/RL, in their hauled new Alcatraz where they have set up the studio containers from the Federal Assembly building again, as my source saw with great disbelief. What are they doing there? Rewriting newswire, I was told. And someone else said that he can essentially confirm my quick impression: Lots of telephone blather, preferably with Kremlin astrologers (Kai Ludwig, 2037 UT June 26, DX LISTENING DIGEST)

Looks like yesterday's Radio Liberty in Russian broadcast was the last evening broadcast on SW. I recorded it from 1922 until 2200 UT using the U. Twente receiver on 5995 kHz, switching to 9540 kHz for the last hour. Looked for them just now but they're not there. The first part of my recording is a jazz program. How fitting that this should be one of Radio Liberty's last Russian SW broadcasts considering how important jazz radio programs from the west were during the Cold War. I'll try to get the recording up on the archives in the next few days and will report back when it's done (Richard Langley, NB, 1914 UT June 26, dxldyg via DX LISTENING DIGEST)

Cancelled shortwave: Avari, Belarussian, Kabardian, Russian and Caucasus Echo. At 1600 on 11780/11815 not Avar, but is Chechen. Videos of all Tajik, Turkmen, Uzbek and Chechen will be added tomorrow (Ivo Ivanov, 2030 UT June 26, WORLD OF RADIO 1832, DXLD)

1600-1620 on 11780 Biblis and 11815 Woofferton is Chechen, deleted Avari and Kabardian. Biblis is on air only via two transmitters now Videos tomorrow (Ivo Ivanov 2119 UT June 26, DX LISTENING DIGEST)

** U S A [non]. Radio Liberty will stop broadcasting in Russian on shortwave effective from June 26.

Final day of RL in Russian on shortwave June 25
0400-0500 on 7435*BIB 100 kW / 063 deg to EaEu
0400-0500 on 9635 LAM 100 kW / 055 deg to EaEu
0400-0500 on 17770 UDO 250 kW / 021 deg to FERu
0500-0700 on 9635 LAM 100 kW / 055 deg to EaEu
0500-0700 on 12015 LAM 100 kW / 055 deg to EaEu
0500-0700 on 17770 KWT 250 kW / 035 deg to FERu
0700-0800 on 9635 LAM 100 kW / 055 deg to EaEu
0700-0800 on 15195 LAM 100 kW / 077 deg to CeAs
0700-0800 on 17770 LAM 100 kW / 053 deg to CeAs

0900-1100 on 15195 LAM 100 kW / 077 deg to EaEu
 0900-1100 on 17770 PHT 250 kW / 349 deg to FERu
 1300-1500 on 13720 LAM 100 kW / 055 deg to EaEu
 1300-1500 on 15195 LAM 100 kW / 053 deg to CeAs
 1300-1500 on 17850 LAM 100 kW / 053 deg to EaEu
 1500-1600 on 11945*BIB 100 kW / 063 deg to EaEu
 1500-1600 on 13720 LAM 100 kW / 055 deg to EaEu
 1500-1600 on 17850 LAM 100 kW / 053 deg to EaEu
 1600-1700 on 9790 LAM 100 kW / 075 deg to CeAs
 1600-1700 on 13720 LAM 100 kW / 055 deg to EaEu
 1700-1800 on 7475 LAM 100 kW / 055 deg to EaEu
 1700-1800 on 9490*BIB 100 kW / 088 deg to CeAs Caucasus Echo
 1700-1800 on 9790 LAM 100 kW / 075 deg to CeAs
 1700-1800 on 11780 LAM 100 kW / 055 deg to EaEu
 1700-1800 on 11800*BIB 100 kW / 088 deg to CeAs Caucasus Echo
 1800-1900 on 5930*BIB 100 kW / 063 deg to EaEu
 1800-1900 on 5995 LAM 100 kW / 055 deg to EaEu
 1800-1900 on 9840 LAM 100 kW / 075 deg to CeAs
 1900-2000 on 5995 LAM 100 kW / 055 deg to EaEu
 1900-2000 on 7475*BIB 100 kW / 088 deg to CeAs
 1900-2000 on 9840 LAM 100 kW / 075 deg to CeAs
 2000-2100 on 5995 LAM 100 kW / 055 deg to EaEu
 2000-2100 on 7475*BIB 100 kW / 088 deg to CeAs
 2000-2100 on 9540 LAM 100 kW / 075 deg to CeAs
 2100-2200 on 9540 LAM 100 kW / 075 deg to CeAs

* some of Biblis transmitters are off today June 25, including RL

1500-1800 on 9645 BIB 100 kW / 063 deg to EaEu Belarussian

<http://swldxbulgaria.blogspot.bg/2016/06/final-day-of-radio-libertysvoboda-in.html>

-- 73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

Radio Liberty in Chechen/Tajik/Turkmen/Uzbek on shortwave, June 26:

1400-1500 on 7475 UDO 250 kW / 300 deg to CeAs Tajik
 1400-1500 on 9740 KWT 250 kW / 046 deg to CeAs Turkmen
 1400-1500 on 13630 UDO 250 kW / 300 deg to CeAs Uzbek
 1400-1500 on 15180 LAM 100 kW / 077 deg to CeAs Uzbek
 1400-1500 on 15255 WOF 300 kW / 074 deg to CeAs Turkmen
 1400-1500 on 15450 WOF 300 kW / 075 deg to CeAs Tajik

1500-1600 on 7475 UDO 250 kW / 300 deg to CeAs Tajik
 1500-1600 on 9740 KWT 250 kW / 035 deg to CeAs Turkmen
 1500-1600 on 15255 WOF 300 kW / 074 deg to CeAs Turkmen
 1500-1600 on 15450 WOF 300 kW / 075 deg to CeAs Tajik

1600-1620 on 11780 BIB 100 kW / 088 deg to CeAs Chechen
 1600-1620 on 11815 WOF 300 kW / 078 deg to CeAs Chechen

1600-1700 on 7475 ERV 100 kW / 125 deg to CeAs Tajik
 1600-1700 on 9390 UDO 250 kW / 313 deg to CeAs Uzbek

1600-1620 on 11790 BIB 100 kW / 085 deg to CeAs Uzbek
1600-1700 on 11910 LAM 100 kW / 077 deg to CeAs Tajik
Cancelled shortwave: Avari, Belarussian, Kabardian, Russian and
Caucasus Echo.
<http://swldxbulgaria.blogspot.bg/2016/06/radio-liberty-in-chechentajikturkmenuzb.html>
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, June 26, dxldyg via WORLD OF
RADIO 1832, DXLD)

** U S A [non]. Frequency changes of IBB including transmitter changes

Radio Free Asia

0030-0130 on 17785 SAI 250 kW / 270 deg SEAs Burmese, ex IRA
0100-0200 on 9780 KWT 250 kW / 046 deg CeAs Uyghur, ex IRA
1100-1200 NF 15195 TIN 250 kW / 279 deg SEAs Lao, ex 15120 TIN
1230-1330 on 7530 TIN 250 kW / 280 deg SEAs Burmese, ex IRA
1630-1730 on 9940 ERV 050 kW / 122 deg SEAs Burmese, ex IRA

Deewa Radio

0100-0300 on 11700 LAM 100 kW / 092 deg WeAs Pashto, ex IRA
0100-0300 on 13840 UDO 250 kW / 304 deg WeAs Pashto, ex IRA
0300-0400 on 13840 LAM 100 kW / 104 deg WeAs Pashto, ex IRA
1300-1400 on 13590 UDO 250 kW / 300 deg WeAs Pashto, ex IRA
1300-1900 on 9335 LAM 100 kW / 092 deg WeAs Pashto, ex IRA
1300-1400 on 9310 UDO 250 kW / 300 deg WeAs Pashto, ex IRA
1400-1430 on 9310 KWT 250 kW / 078 deg WeAs Pashto, ex IRA
1430-1600 on 9310 UDO 250 kW / 300 deg WeAs Pashto, ex IRA

Radio Farda

0230-0400 on 13860 UDO 250 kW / 300 deg WeAs Persian, ex LAM
0630-0730 on 17880 UDO 250 kW / 300 deg WeAs Persian, ex IRA
1200-1800 on 12005 WOF 300 kW / 090 deg WeAs Persian, ex IRA

Voice of America

0330-0430 NF 9685 SAO 100 kW / 114 deg SoAf Kirundi, ex 11905 SAO
1330-1430 on 11695 PHT 250 kW / 270 deg SEAs Khmer, ex IRA
1400-1500 on 17870 WOF 300 kW / 075 deg WeAs Kurdish, ex IRA
1430-1530 on 11965 UDO 250 kW / 280 deg SEAs Burmese, ex IRA
1630-1700 NF 6040 BOT 100 kW / 350 deg EaAf Amharic M-F, ex 6080 SAO
1630-1700 on 15120 GR 250 kW / 094 deg SoAf Portuguese Fri, ex BOT
1700-1800 on 7485 UDO 250 kW / 305 deg WeAs Kurdish, ex IRA
1830-1900 NF 11835 SMG 250 kW / 170 deg SoAf Kirundi M-F, ex 11865 SMG
1930-2000 NF 11835 SAO 100 kW / 100 deg SoAf Kirundi M-F, ex 11865 SAO
2330-0030 on 7440 UDO 250 kW / 276 deg SEAs Burmese, ex IRA

Radio Mashaal

0400-0500 on 15760 UDO 250 kW / 305 deg WeAs Pashto, ex IRA
0500-1300 on 15760 KWT 250 kW / 078 deg WeAs Pashto, ex IRA

1000-1300 on 15360 UDO 250 kW / 300 deg WeAs Pashto, ex IRA

Radio Liberty

0400-0420 on 7270 LAM 100 kW / 092 deg CeAs Chechen till Sep.30

0400-0420 on 9520 BIB 100 kW / 085 deg CeAs Chechen till Sep.30

1600-1700 on 7475 ERV 050 kW / 058 deg CeAs Tajik, ex IRA

1600-1620 on 11780 BIB 100 kW / 088 deg CeAs Chechen till Sep.30

1600-1620 on 11815 LAM 100 kW / 092 deg CeAs Chechen till Sep.30 x WOF

Cancelled all transmissions of Radio Liberty on shortwave in the following languages Avari, Belarussian, Kabardian, Russian and Russian Caucasus Echo

<http://swldxbulgaria.blogspot.bg/2016/06/frequency-changes-of-ibb-including.html>

-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, June 28, dxldyg via DXLD)

** U S A [non]. 11700, June 28 at 0114, M&W in SW Asian language, S6. It's Deewa Radio in Pashto, which had been via SRI LANKA until closed down; now via THAILAND (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 15730, June 29 at 1409, S9 open carrier goes off and back on, typical behavior of Greenville testing transmitter for broadcast a few hours later (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A [and non]. WORLD OF RADIO 1831 monitoring: confirmed first SW broadcast Thursday June 23 at 1130 on WRMI 9955, good S9+10/20, no jamming. Also confirmed after 2100 Thursday June 23 on WRMI 13695, very good. Also confirmed after 2330 Thursday June 23 on WBCQ 9329.985-CUSB, fair and the frequency is varying slightly. Next:

Fri 2130 WRMI 15770 to NE

Fri 2130.5 WRMI 13695 to NW

Fri 2330 WBCQ 9330v-CUSB to WSW

Sat 0630 HLR 6190-CUSB to SW

Sat 1430 HLR 7265-CUSB to SW

Sat 1930v WA0RCR 1860-AM ND

Sat 2230 WBCQ 9330v-CUSB to WSW

Sun 0310v WA0RCR 1860-AM ND

Sun 2330 WBCQ 9330v-CUSB to WSW

Mon 0030 WRMI 7730 to WNW

Mon 0300v WBCQ 5130v Area 51 to WSW

Mon 0330 WRMI 9955 to SSE

Mon 2330 WBCQ 9330v-CUSB to WSW

Tue 1100 WRMI 9955 to SSE

Tue 2130 WRMI 15770 to NE

Tue 2330 WBCQ 9330v-CUSB to WSW

Wed 1315.5 WRMI 9955 to SSE

Wed 2100 WBCQ 7490v to WSW

Wed 2330 WBCQ 9330v-CUSB to WSW

WORLD OF RADIO 1831 monitoring. Confirmed Friday June 24 at 2130 on

WRMI 15770, JBA; and from 2130.5 on WRMI 13695, excellent. Also confirmed Friday June 24 at 2330 on WBCQ, 9330.014-CUSB, poor. Next:

Sat 0630 HLR 6190-CUSB to SW
Sat 1430 HLR 7265-CUSB to SW
Sat 1930v WA0RCR 1860-AM ND
Sat 2230 WBCQ 9330v-CUSB to WSW
Sun 0310v WA0RCR 1860-AM ND
Sun 2330 WBCQ 9330v-CUSB to WSW
Mon 0030 WRMI 7730 to WNW
Mon 0300v WBCQ 5130v Area 51 to WSW
Mon 0330 WRMI 9955 to SSE
Mon 2330 WBCQ 9330v-CUSB to WSW
Tue 1100 WRMI 9955 to SSE
Tue 2130 WRMI 15770 to NE
Tue 2330 WBCQ 9330v-CUSB to WSW
Wed 1315.5 WRMI 9955 to SSE
Wed 2100 WBCQ 7490v to WSW
Wed 2330 WBCQ 9330v-CUSB to WSW

WORLD OF RADIO 1831 monitoring: NOT confirmed, Saturday June 25 at 1430 on Hamburger Lokalradio, 7265-CUSB via the UTwente remote, where it is usually audible. Nothing before 1430 either from Media Network Plus, where at the end I provide some two minutes of propagation info unlike on WOR. Further chex during semi-hour to 1501, no signals at all, nor from CRI. But the band noise must mean the receiver is funxional. And I later get other stuff on it.

WOR 1831 confirmed Sat June 25 after 2230 on WBCQ 9330v-CUSB, just barely audible. Also confirmed on WA0RCR, 1860.02-AM, UT Sun June 26 at 0314 already underway about the Ascension stamps, so started about 0312, S9 and so is the storm noise level at least, but no pileup or encroachments by Field Day contesters on this band? Next:

Sun 2330 WBCQ 9330v-CUSB to WSW
Mon 0030 WRMI 7730 to WNW
Mon 0300v WBCQ 5130v Area 51 to WSW
Mon 0330 WRMI 9955 to SSE
Mon 2330 WBCQ 9330v-CUSB to WSW
Tue 1100 WRMI 9955 to SSE
Tue 2130 WRMI 15770 to NE
Tue 2330 WBCQ 9330v-CUSB to WSW
Wed 1315.5 WRMI 9955 to SSE
Wed 2100 WBCQ 7490v to WSW
Wed 2330 WBCQ 9330v-CUSB to WSW

WORLD OF RADIO 1831 monitoring: confirmed UT Monday June 27 at 0030 [not 0020 as typoed originally], WRMI, 7730, (following slightly overlapping ad by The Smart Money Guy), S9+20 on the R75 with inside 1w antenna due to storm; by 0047 on the NRD-545 with ALA330 antenna,

it's S9+40. Also confirmed UT Monday June 27 at 0300 sharp from Area 51 webcast; 5130 not checked until 0344, but it is on with HRI, fair signal. Also confirmed UT Monday 0344 during WRMI 9955 broadcast from 0330, fair. Next:

Mon 2330 WBCQ 9330v-CUSB to WSW
Tue 1100 WRMI 9955 to SSE
Tue 2130 WRMI 15770 to NE
Tue 2330 WBCQ 9330v-CUSB to WSW
Wed 1315.5 WRMI 9955 to SSE
Wed 2100 WBCQ 7490v to WSW
Wed 2330 WBCQ 9330v-CUSB to WSW

WORLD OF RADIO 1831 monitoring: confirmed Monday June 27 at 2330 on WBCQ, 9329.897-CUSB, fair. Next:

Tue 2130 WRMI 15770 to NE
Tue 2330 WBCQ 9330v-CUSB to WSW
Wed 1315.5 WRMI 9955 to SSE
Wed 2100 WBCQ 7490v to WSW
Wed 2330 WBCQ 9330v-CUSB to WSW

WORLD OF RADIO 1831 monitoring: confirmed Tuesday June 28 after 2130 on WRMI 15770, but JBA here. Also confirmed Tue June 28 at 2330 on WBCQ 9329.860-CUSB, poor. Also confirmed Wed June 29 at 1315.5 on WRMI 9955, good, no jamming. Also confirmed Wed June 29 at 2100 on WBCQ 7490 webcast; also confirmed Wed June 29 at 2330 on WBCQ 9329.73-CUSB, poor (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A [and non]. WORLD OF RADIO 1832 ready for first airings

Thursday June 30:

Thu 1130 WRMI 9955 to SSE
Thu 2100 WRMI 13695 to NW
Thu 2330 WBCQ 9330v-CUSB to WSW
Fri 2130 WRMI 15770 to NE
Fri 2130.5 WRMI 13695 to NW
Fri 2330 WBCQ 9330v-CUSB to WSW
Sat 0630 HLR 6190-CUSB to SW
Sat 1430 HLR 7265-CUSB to SW
Sat 1930v WA0RCR 1860-AM ND
Sat 2230 WBCQ 9330v-CUSB to WSW
Sun 0310v WA0RCR 1860-AM ND
Sun 2330 WBCQ 9330v-CUSB to WSW
Mon 0030 WRMI 7730 to WNW
Mon 0300v WBCQ 5130v Area 51 to WSW
Mon 0330 WRMI 9955 to SSE
Mon 2330 WBCQ 9330v-CUSB to WSW
Tue 1100 WRMI 9955 to SSE
Tue 2130 WRMI 15770 to NE
Tue 2330 WBCQ 9330v-CUSB to WSW

Wed 1315.5 WRMI 9955 to SSE
Wed 2100 WBCQ 7490v to WSW
Wed 2330 WBCQ 9330v-CUSB to WSW
(Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. (7490), Thursday June 23 at 2327 tune in WBCQ The Planet webcast to check out 'Broad Spectrum Radio', but instead it's 'Camp Constitution Radio', wrapping up at 2329 with claim that it's still airing Mondays at 2330 --- and maybe it is, just plugged in now to fill for BSR. At 2330, BSR does start an episode of 'Exploring Aspergia'. So was this an anomaly, or BSR reduced from two semihours to one? (Glenn Hauser, OK, DX LISTENING DIGEST) see OKLAHOMA [and non]

7489.97-AM, UT Sat June 25 at 0101, tune-in to 'Allan Weiner Worldwide' as he is lamenting that the WBCQ electric bill, already in 5-figures, has gone up \$500 since last month without using any more power --- but he has no intention of raising airtime rates, including the \$25/hour special for 5 and 9 MHz.

Soon he wants to give some program notes updates, which he gets from Robert (ex-UK) on the phone, including: even prisoners are welcome to do shows on WBCQ, and one such will be tomorrow at midnight ET (presumably meaning UT Sunday June 26 at 0400), playing music, 'Ted Frog Radio' (or something like that).

'Tom Cole Radio' theater will present ``No Longer a Normal Man'', this Sat at 5 pm ET [21 UT] on 7490, same half-hour played twice. Also repeats Tue at 8 pm [UT Wed 0000] on 7490 [or is that something else? My scribbling unclear]. Also will be on 5 and 9 MHz later on.

'The Motor City Phantom' is a special, with Mike the Musician, about a band, this Saturday at 7 pm [23 UT] on 9330.

3250.04, June 25 at 0122 I check after a caller on 7489.97 says it's audible in Ohio. JBA carrier here, but by 0140 when I measure it slightly stronger, enough to detect it's synchronized with 7489.97.

5129.9, June 25 at 0123 is also carrying 'AWWW' at S8, but delayed 48 seconds thru Area 51 electronix.

Re WBCQ announcement on June 18: ``Another new/special program, 'Tom Cole? Theater', with No Longer Amen? which is oldtime radio drama airing several times around the July 4 weekend on all frequencies, starting on 7490, June 26 at 5 pm [ET = Sunday 21 UT --- bumping 'Marion's Attic' ???]`` --- now it's June 26 at 2153 so I try to detect whether it's Marion's Attic or something else on 7489.937 --- just too weak; but by 2157 I'm hearing song ``Jealousy'', and announcements identifiably by the voices of Marion and her

sidekickess.

Having left the R-75 on, recheck WBCQ at 0023 June 27 and find it has drifted to 7489.909 during BS. So I also pinpoint the other WBCQs:

9329.990-CUSB, June 27 at 0024 with Blalock the Blaster

5129.937-AM, June 27 at 0025, S8 but hardly any modulation. At 0105 June 27, now it's better and I've switched to the NRD-545, measuring it on 5129.92 just as an apparently live DJ says he is on 5.130 Mcs, time at 8:04 pm somewhere in ----, Arkansas. I try to look up who this is at the Area 51 website, <http://www.worldmicroscope.com> but instead it forwards to Larry Will's other page <http://zappahead.tumblr.com/> with stuff all about June 2015, a year ago! Anyhow, this is 'Plastic Magic' as here:

http://schedule.wbcq.com/main.php?fn=show_program&id=271

which alternates with Johnny Lightning, not made clear on:

<http://schedule.wbcq.com/main.php?fn=sked&freq=5130>

(Glenn Hauser, OK, DX LISTENING DIGEST)

Amateur Radio Roundtable --- This week's show (June 28) will include Katie Allen, WY7YL and her special guest Kay Craigie, N3KN. Kay has spent nearly three decades as an ARRL official and just completed her third term as ARRL President. Kay was first elected as a volunteer League official in 1986, when she became the ARRL Eastern Pennsylvania Section Manager. The ARRL Board of Directors chose her as the League's 15th President in 2010. During this time, Kay has been able to represent the ARRL at events such as the 100th Anniversary of the Radio Society of Great Britain, and the World Radiocommunications Conferences. She was the first to sign an official agreement with the Boy Scouts of America and worked to get the Amateur Radio Parity Act into legislation to mention just a few things.

Co-host Frank Howell, K4FMH, will be talking to Rich Moseson, W2VU, Editor of CQ Magazine and Editorial Director of CQ Communications, Inc about upcoming events and some of the interesting articles in the next CQ Magazine.

Notice: This will be our last email message to our followers. To handle the large number of email subscribers, the email service cost is \$900 annually. Social media has become an easier and more cost effective way to communicate. In lieu of an email message, we will use our Facebook group, Twitter, and the W5KUB.com website (News heading) to communicate.

Amateur Radio Roundtable is a live weekly amateur radio webcast, held every Tuesday night at 8 PM CT (0100 UT Wednesday) at W5KUB.com (click on Watch Live Video and Chat). The show is also simulcast on

international shortwave station WBCQ on 5130 KHz.

Towards the end of each show, we provide a link and viewers who have a camera, microphone, and a Google+ account, can join the show. Your video and audio will be on the webcast. This part of the show is very informal and up to 10 people can join. We talk about anything the viewers want to discuss.

If you missed last week's Amateur Radio Roundtable you can click here to watch it. Forward this message to a Friend to share this message with your friends. Join us for fun and interesting discussions! (Tom Medlin, W5KUB, June 27, DX LISTENING DIGEST)

** U S A. 5015, June 24 at 0544, this WRMIBS frequency is off; still on some others checked, 6855, 7570, 7730, 7780, and unusually strong this late at night, 11580 (Glenn Hauser, OK, DX LISTENING DIGEST)

9955, June 28 at 1340, the two 'Ask WWCR' guys are discussing the NASB meeting in Nashville, cut off with no outro at 1344:30 for WRMI ID and 1345 into FG Radio. Tue 1330-1345 block is supposed to be 'Viva Miami', apparently ceded to WWCR for this report (Glenn Hauser, OK, DX LISTENING DIGEST)

On the other hand, I was surprised to find a comparatively good signal from WRMI on 15770 at the same time [as WWCR: 2016-06-25 around 2048z], which also finally had a loud and thus adequate modulation level! Despite my local noise QRM, it was well intelligible. Great job, Jeff - keep it up!!! By the way, despite all noise, the signal was clear enough to hear that the audio feed of file played there was somewhat "over-data-reduced", with artifacts in the higher frequency portions of the voice. An audio clip of both stations and a spectral view are attached for your information (Tobias (T≤), Germany, 2016-06-28, DX LISTENING DIGEST)

** U S A. I am surprised at the requests for airtime already received. I will make special offers to our charter air time members, In appreciation for their support. I addition to great rates for airtime with many time slots to choose from. I will make a one time offer of free weekend air time to our charter members. Contract for 5 week days airtime and receive the same airtime free of charge Saturday and Sunday. I plan to retain the call letters KJES. Things are starting to fall into place although there is much to do. We are looking to that soon-to-happen sign-on day (Jon Gorski, KJES, June 27, WORLD OF RADIO 1832, DX LISTENING DIGEST)

** U S A. 17775.000, June 23 at 1822, KVOH with music at S9+10, carrier frequency averaging accurate but wobbling slightly. 9975 in evenings, circa 0130 check June 24, is still off (Glenn Hauser, OK, DX

LISTENING DIGEST)

** U S A. 9474.95, June 24 at 0117, WTWW-1 is S9+30 open carrier/dead air, still past 0127 so no passÈ Pastor Pete Peters tonight. Recheck at QSY time 0200: suddenly starts modulating with first dekeyword of Ted's canned ID ``Broadcasting from the banks of of the Upper Cumberland River, this ---`` and cut off. In less than a semiminute comes up on 5830, but resumes unmodulation past 0206. Wake up, Ted. Changing frequency accomplished but not noticing something is missing! Also missing completely: 12105, no signal from WTWW-3 at 0124 check. 5085, WTWW-2 is still on weeknights after 0400 June 24, for `Midnight [sic] in the Desert`.

Mike Barraclough forwards this post about a visit to WTWW by someone who was unduly impressed by a claim of ``1.21 gigawatts``, not 300 kW: <http://forums.qrz.com/index.php?threads/visited-a-shortwave-station-yesterday.527347/>
Surely W4MAJ, William R. Jones, has never axually listened to WTWW, or tried to (Glenn Hauser, OK, DX LISTENING DIGEST)

5830, June 24 at 0543, no signal from WTWW-1, and 5085 is open carrier S9+35 but dead air instead of `Midnight [sic] in the Desert`. 5830, June 24 at 1338, WTWW-1 is now on and modulated, to boot.

9930, June 24 at 1828 tune-in, WTWW-2 is open carrier/dead air during alleged `Dave Ramsey` show, and continues to be for hours and hours at random chex: 1843, 1858, 1900 without even an automatic ID break; and still dead at 2015.

12105, June 24 circa 2015, WTWW-3 is completely off the air. Only 9475 WTWW-1 is nominal. 12105 is still off at 0053 check June 25.

12105, June 27 at 0126, WTWW-3 is AWOL. I believe it had been off all afternoon June 26; 9475 WTWW-1 is nominal.

12105, June 27 at 1921, WTWW-3 is still off. I think it has not been on at all for a few days now. Maybe finally wore out all the redundant playbacks of Bibling Worldwide? Nominal span had been 17-02 UT.

12105, June 29 at 1910 check, WTWW-3 is still OFF (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 7520, June 24 at 0135, WWCR gospel huxter, but with crosstalk from a second g.h. underneath, which proves to be // the audio on 4840, bleeding into the 7520 transmitter (Glenn Hauser, OK, DX LISTENING DIGEST)

WWCR caught in the the "bad audio trap": I randomly checked WWCR on

15825 Saturday 2016-06-25 around 2048z and found it had audio spurs in the frequency range around 4.4 to 4.5 kHz, which, luckily, is high enough to be easily filtered out by a narrow IF filter and, since there are no other stations next to this out-of-band channel, the chirps also shouldn't produce any interference with other broadcasters (Tobias (T≤), Germany, 2016-06-28, DX LISTENING DIGEST)

** U S A. 15240, Sat June 25 at 1645, WWRB fair signal with African hlife music; 1659 no ID, 1701 into presumed Ugandan national anthem, and then choral theme music past 1705 mentioning Uganda, so presumed Radio Munansi, still at 17-19 UT on Sat, altho last Sun I was hearing Luganda(?) talk before 1700. There is still not a word about this broadcast on the WWRB website (nor any current program schedule). Nor anything about being on WWRB at <http://radiomunansi.com> which doesn't present any recent news, but alleges that it podcasts. I have now added 15240 to the BSR-1 caradio memory for easy checking (or maybe Radio Australia after 2100) (Glenn Hauser, OK, WORLD OF RADIO 1832, DX LISTENING DIGEST) See also UGANDA [non]

5049.99, UT Monday June 27 at 0108, WWRB is on with very strong signal, gospel huxter asserting that ``Our Lord & Saviour Jesus Christ is going to return on July 29, 2016, end-of-the-world, get yourself together`` as his audio feed is breaking up. Well, we won't have long to debunk that; then what? No idea who he is as I'm not listening to this nonsense any further and WWRB does not provide a program schedule.

5050, June 28 at 0105, WWRB is on despite this being a Monday night/UT Tuesday, rather than previous weekend-only schedule. S9+10 signal with gospel huxter wrapping up by giving phone 304-679-3615, which is in West Virginia. Then WWRB canned ID giving its phone 931-728-6087; running late, starting another g.h. at odd time of 0106, hum and awful webfeed audio with artifacts at first, but then clears up somewhat. Mentions live broadcast on Monday June 23[?] of ``Heart & Soul of America Worldwide Broadcast`` with Mark [Marc?] Anthony on WWRB, 5050. But then says is heard Saturday and Sunday nights at 9 pm ET, 8 pm CST [sic], but on live feed right now [really?]. Address P O Box 103, Centreville /spelt/, VA 20122, USA; hsamarkanthony@gmail.com ``all in lower case`` --- axually e-mail addresses are not case-sensitive, don't you know, but why ever bother to capitalize them? Or is it hsamarcAnthony@gmail.com or antony --- Still going past 0139 so his show must be more than a semihour. A program by the same title used to be on WBCQ, but no linx there, dead end (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. 19/06/2016 from 0330 till 0359 UT took religious broadcasts in Russian language "Chas your story" through World Harvest Radio International on frequency 7520 kHz (Cypress Creek, South Carolina,

USA 250 kW). Broadcast ended at 0359 UT, sounded identification in English and I shut down the transmitter. SINPO: 35433. (Receiver: Degen 1103, Antenna: Telescopic) (Dmitry Kutuzov, Ryazan, Russia / "deneb-radio-dx" via RusDX June 26 via DXLD)

How did you shut down the transmitter from Ryazan?? Hi hi. ``Chas your story`` must be an attempt to translate into Your Story Hour, a long-running Adventist program for children (Glenn Hauser, DXLD)

** U S A. Very good signal of WINB Red Lion on June 26 till 0402 on 9265 INB 050 kW / 242 deg to CeAm English <http://swldxbulgaria.blogspot.bg/2016/06/updated-shortwave-schedule-of-winb-red.html>
-- 73! (Ivo Ivanov, B`lgariya, dxldyg via DX LISTENING DIGEST)

** U S A. Applications to extend existing STAs were received from:
KXEN-1010 St. Louis MO (U5 50000/125);
KLIM-1120 Limon CO (D1 100);
(AM Switch, NRC DX News July 4 via DXLD)

** U S A. While in Poplar Bluff MO I did a quick check on 1340 KLID at 11 PM and found them on with two programs going at the same time; one sounded gospel/religion and the other talk. Two at the same time! Was anyone else listening besides me?? The next day on our way out of town heading north they were back to normal but program sounded like religion. My wife said "turn that stuff off" and it was back to satellite with 60's R&R in a hurry (Tom Jasinski, DX LISTENING DIGEST)

** U S A. We didn't notice much unusual on our recent trip west. Everybody Barry's list says is on seems to be on and those listed as off were off. Particularly, the 1490, Jackson, Wyoming, was completely silent. The 1450 Jackson was on, but may as well not have been because the audio feed was breaking up so bad it was impossible to listen to. The 1340 Jackson squeezes in only a quick "KSGT" ID at TOH. Otherwise they are completely // KID. 73 (David Faulkner, June 27, IRCA via DXLD)

1490 = KJNT, 1450 = KJCV, 1340 = KSGT per FCC AM Query. Wow, a three-graveyarder town and nothing else on AM - can anyplace beat that?
(Glenn Hauser, DX LISTENING DIGEST)

** U S A. 1560, KGOW, TX, Bellaire ñ Applies for STA for U3 15000/15000 from night site; day site severely damaged in recent Houston-area flooding (AM Switch, NRC DX News July 4 via DXLD)

** U S A. 1600, KATZ, MO, St. Louis ñ Granted STA with U5 6000/875, mowers cut line to a night tower (AM Switch, NRC DX News July 4 via DXLD)

**** U S A. WEB TECHNOLOGY HELPS NPR EXTEND ITS REACH**

Far from having an existential crisis, we and our member stations have a clear vision of our goals and purpose.

June 22, 2016 12:39 p.m. ET

"Public Radio's Existential Crisis" (Arena, June 17) overstates the issues confronting National Public Radio as it, like every other major media organization, navigates the digital transition. NPR's news magazines have continued to reach a growing radio audience that at latest count includes more than 26 million listeners weekly. At the same time, NPR is at the top of the podcast rankings. According to Podtrac, no other publisher reaches more listeners through podcasts than NPR--7.5 million a month. Many are listening to broadcast as a result of their podcast experience.

Far from having an existential crisis, we and our member stations have a clear vision of our goals and purpose. Our mission is to comprehensively deliver the highest quality of news and entertainment programs to audiences that are increasingly underserved by others. We are well positioned to do this.

Our members aren't just radio stations. They are local not-for-profit organizations engaged with their communities. Their local knowledge is unmatched. Whether you listen on the radio or online, we provide reporting on everything from your neighborhood to the other side of the world.

The massacre at the Pulse nightclub illustrated how we fulfill our mission. Within hours we were on the air and online nationally with continuous coverage by reporters from NPR and our Florida stations. Our goal was clarity and insight at a moment of terror. There wasn't a shred of existential doubt for our listeners and around the network about our mission.

Michael Oreskes, Senior Vice President of News and Editorial Director, NPR, Washington (WSJ Comment via Mike Cooper, DXLD)

**** U S A. Re: Garrison Keillor Retires From A Prairie Home Companion**

Chris Thiele is taking over as host, although he'll be on for just half of the coming season. The other half will be repeats with Keillor, who remains as executive producer of the show. Some public radio stations may be ditching it after Garrison is no longer the front man, but I think most (including WMUK-FM in Kalamazoo, Michigan, where I work) are keeping it on the schedule. 73, (Andy Robins,

Kalamazoo, Michigan USA, June 24, dxldyg via DX LISTENING DIGEST)

** VANUATU. Per <https://www.facebook.com/RadioVanuatu/> :

On June 24, Radio Vanuatu posted to the effect that due to the high cost of operation, broadcast times are now 5:30 AM-9:15 PM (1830-1015 UT). Thanks very much to Courtney Gordon for the approximate translation.

Believe that not too long ago RV was signing off about 1215, so the new schedule is considerably shorter, therefor saving them money. Imagine that in the event of a tropical storm cyclone they would extend their broadcasting day (Ron Howard, California, June 27, dxldyg via WORLD OF RADIO 1832, DX LISTENING DIGEST) 7260 and/or 3945 (gh)

Radio Vanuatu is apparently operating on a reduced schedule. They are on 1830 to 1015 UT. For those of us in Western North America, your best chance to catch them is on the 7260 frequency. Even when Radio Nikkei signs off I can often not even tell Radio Vanuatu is on 3945, even though I know they are (Paul Walker, AK, June 27, psw yg via DXLD)

** VATICAN. Vatican Radio in English & unscheduled in Armenian June 24
1130-1200 17590 SMG 100 kW / 112 deg to N/ME English Holy Mass Fri
1130-1200 21560 SMG 100 kW / 113 deg to N/ME English Holy Mass Fri
1200-1220 17590 SMG 100 kW / 112 deg to N/ME Armenian, not Italian
1200-1220 21560 SMG 100 kW / 185 deg to CeAf Armenian, not Italian
<http://swldxbulgaria.blogspot.bg/2016/06/vatican-radio-in-english-unscheduled-in.html>

Vatican Radio special program, Pope Francis in Armenia on June 25:
0645-0912 15595 SMG 250 kW / 089 deg to CeAs English/French/Armenian
0645-0912 17590 SMG 250 kW / 072 deg to CeAs English/French/Armenian
1442-1545 15370 SMG 250 kW / 089 deg to CeAs English/French/Armenian
1442-1545 15485 SMG 250 kW / 072 deg to CeAs English/French/Armenian
<http://swldxbulgaria.blogspot.bg/2016/06/vatican-radio-special-px-pope-francis.html>

(DX RE MIX NEWS #954 from Georgi Bancov and Ivo Ivanov, June 27, 2016 via DXLD)

Maybe not unintentional, with the Pope currently visiting Armenia. Who knows, maybe they put up billboards in Yerevan saying "Tune in to 17590 and 21560 kHz!" 73 (Eike Bierwirth, Germany, ibid.)

[and non]. Unscheduled broadcasts of Vatican Radio on 15485/15450 kHz, June 28
from 0835 on 15485 from Santa Maria di Galeria? dead air

from 0842 on 15485 from Santa Maria di Galeria? Russian
from 0845 on 15485 from Santa Maria di Galeria? Russian
from 0850 on 15450 from Santa Maria di Galeria? Russian, co-ch FEBC
Mongolian
from 0905 on 15485 from Santa Maria di Galeria? Ukrainian, tx on/off,
on/off:
<http://swldxbulgaria.blogspot.bg/2016/06/unscheduled-broadcasts-of-vatican-radio.html>
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, June 28, dxldyg via DXLD)

** YEMEN [non]. Greetings From Nevada! Conditions here have gone from OK to fair this past week with the Solar Flux hovering in the Low 80s to the dismal Mid-70s and the geomagnetic activity going from Very Quiet to Active (with a small storm spike). even just before the storm conditions here still wasn't not good enough to hear Rep. of Yemen Radio Sanaa on 11860 kHz in the early mornings here (~1300z-1500z) and attempts to hear them in 0100z-0300z hours (sunset here) haven't yielded anything either (even though I see a couple of DXLD reports of NA listeners on the east coast hearing them near their sunset). (Rodney Johnson, Las Vegas NV, June 24, dxldyg via DX LISTENING DIGEST)

** ZAMBIA. Voice of Hope (Lusaka) *0458-0510+ 16 June. IS/ID loop ("From Zambia to the world, this is the Voice of Hope, Africa.."), TOH ID: "This is the Voice of Hope, broadcasting to all of Africa on frequency 9-6-8-0 kilohertz..", opening hymn, local announcer with ID and program preview (Dan Sheedy, Encinitas, CA PL380/6m X wire [v.2.0]), DX LISTENING DIGEST)

Hi Bill, June 24, noticed Voice of Hope on 9680 with mostly fair reception from tune in at 0506 UT till tune out at 0531; in English; Christian hymn "How Great Thou Art"; bible reading between songs; 0517 "Voice of Hope" ID; 0531 preaching about US presidential slogans over the years.

Checked back at 0538 to find only open carrier and dead air; had completely lost their audio; 0543-0544 briefly had audio again (singing), but audio cut off again at 0545. Significant problems (Ron Howard, California, to Bill Bingham, RSA, cc to gh, DXLD)

Hi Ron, All present and correct at 0658 spot check. It worked just fine right through to scheduled 0800 cut off. Regards, (Bill Bingham, RSA, June 24, ibid.)

Thanks. So not so significant a problem after all. Good news! (Ron Howard, ibid.)

** ZAMBIA. 5915. June 25, 2016. 1940-1950, Zambia NBC (Radio 1),

Lusaka, in Tigrinya. OM talks & talks. Weak to poor signal and barely audible modulation, 25431 (Sometimes and rare, 35432). (DXer: JosÉ Ronaldo Xavier (JRX), Cabedelo-PB, Brazil, Sony ICF-SW100S, antenna: Portable Telescopic, Latest HF Propagation: 78-12-1 (Very Quiet), Hard-Core-DX mailing list via DXLD)

Tigrinya is an Eritrean/Ethiopian language, TIG in EiBi; Sat at 1940 is TNG = Tonga, a Zambian (and not Tongan) language (Glenn Hauser, OK, DX LISTENING DIGEST)

** ZANZIBAR. TANZANIA, Reception of Zanzibar Broadcasting Corporation ZBC, June 28 [Tue]
1800-1808 on 11735 DOL 050 kW / non-dir to CeAf English, good signal
http://swldxbulgaria.blogspot.bg/2016/06/reception-of-zanzibar-broadcasting_28.html
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, June 28, dxldyg via DXLD)

Hearing Zanzibar on 11735 kHz today (Jun 28) from about 2030 to 2059 UT sharp off. Signal weak at my location, but hearable. Best Regards, (thanks Glenn) (David Zantow N9EW0, Janesville, WI, June 28, DX LISTENING DIGEST)

UNIDENTIFIED. 1020, June 27 at 0137 UT, KOKP Perry OK seems off, but I do have an open carrier not strong enough for this semi-local, slightly on the low side; then two different Spanish music stations on N/S and E/W antennas, perhaps Nebraska and New Mexico or Cuba (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. Glenn: This unID noise station on 1500 kHz is definitely not KDFN. We stayed in Poplar Bluff, MO last night and around 9 pm [CDT] yesterday I drove the 30 miles right through downtown Doniphan, MO. KDFN is not the unID producing the noise at night. I could occasionally hear this noise during the trip down and back to our motel on the car radio.

And --- today on our trip down from Poplar Bluff to Little Rock there was no sign of KDFN. 1500 kHz was dead, just regular static/background noise - nothing from KDFN from closest approach on Hwy 67 south of Poplar Bluff to Arkansas border - no KDFN. I would expect something from a 1 kW station at 25 miles - nothing! Have they been reported off the air??? Or does the local terrain have terrible ground conductivity limiting signal to few miles?

I did not get a chance to get a compass fix on the 1500 kHz noise at Poplar Bluff - but we will be back in Popular Bluff Sunday night. We will be here in Little Rock for a few days and Ill try for a compass bearing here in the next few days (Tom Jasinski, IL, June 24, DX LISTENING DIGEST)

Ground conductivity in the Ozark area is rather poor but don't see how it could be that bad. I hadn't heard about KDFN being off, but a lot of stations go silent, temporarily or even permanently without any notice (Glenn Hauser, DX LISTENING DIGEST)

Glenn: On the way back home from Little Rock on Monday my wife and I drove through Doniphan in the daytime on Hwy 160 - KDFN is completely off the air. We stopped at the local town museum and a volunteer there said they were bought out, not sure by whom though. So, as I mentioned previously, the noise on 1500 kHz is definitely not coming from them.

I brought along a Tecsun PL380 and an Eton E100, both with the stock antennas. They are painfully inadequate for the task. At Poplar Bluff, MO, noise on 1500 was heard on fade up's every few minutes and for only a few seconds - not long enough for a good null for DF bearing. I should have brought along my R8A and Quantum loop but did not have the time to pack them for traveling. Maybe next trip (Tom Jasinski, DX LISTENING DIGEST)

UNIDENTIFIED. 9284.937, June 29 at 0020, JBA carrier. Maybe something local, but possibly a broadcaster. Nothing currently listed, not even SOH in Aoki, but WINB has defined the band down to 9265; and HFCC has a registration for Cairo on 9280, not active per Aoki and EiBi (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 9530, June 24 at 0116, JBA carrier where I normally hear nothing. HFCC suggest it should be CNR Tibetan service from Beijing. Aoki refines to Baoji-Sifan site of CNR-11, but also: R·dio Transmundial, Brasil. If so, it's a rarity here unlike a bunch of other 31m ZYs (Glenn Hauser, OK, DX LISTENING DIGEST)

{Could also be second harmonic of Tajikistan 4765, as Rumen Pankov has heard in Bulgaria}

UNIDENTIFIED. EGYPT, UNIdentified station with Egyptian music on air June 20
1000-1013 on 9550 unknown transmitter site, poor to fair today
<http://swldxbulgaria.blogspot.bg/2016/06/unidentified-station-with-egyptian.html>
(DX RE MIX NEWS #954 from Georgi Bancov and Ivo Ivanov, June 27, 2016 via DXLD) Previous had been filed as UNID, not necessarily EGYPT

UNIdentified. EGYPT, station with Egyptian music on air June 29
0900-0920 on 9600 unknown transmitter site, poor signal today:
http://swldxbulgaria.blogspot.bg/2016/06/unidentified-station-with-egyptian_29.html
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Equipment: Sony ICF-2001D 30 m. long wire, dxldyg via DXLD)

UNIDENTIFIED. 9655.00, June 29 at 0025, S9+10 signal where normally there is nothing, and nothing listed, continuous S Asian (?) singing with instruments. Sounds quite repetitive, maybe a long loop? No breaks at all until 0100 time signal a few seconds late and into Arabic? talk; 0104 sounds like a drama, or maybe just a commercial. I don't have time to follow this closely, but 0221 recheck still on, weaker at S9 with Arabic talk. I guess it's a special for Ramadan and suspect #1 is Algeria, which via France is already using 9655 at 20-22 UT. On that idea at 0500, I check the very weak RTA signal on 7295 and find its timesignal is also about 5 seconds late. I posted this to the DXLD yg at 0230, but no replies. We'll see if this recur 24 hours later.

It doesn't: JBA carrier on 9655 at 2157 June 29, but no signal after 2200; except JBA carrier detectable from algo at 2341; none at further chex June 30 after 0000, 0030, 0130 (Glenn Hauser, OK, WORLD OF RADIO 1832, DX LISTENING DIGEST)

UNIDENTIFIED. 9885.00, June 24 at 0110, good S8 signal where there is normally nothing, tuneful electronic music until cut off abruptly at 0111:40*. No return in next five minutes or chex later in same hour. Scheduled this bihour is IBB Tibetan via Tajikistan, but far too strong for that, nor jamming. Instead suspect it's a test from Greenville which employs 9885 M-F 0600-0630 in French; other A-16 users of 9885: S,,o TomE, Riyadh and Santa Maria di Galeria (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 11240, June 25 at 1231, JBA carrier with traces of talk. Not listed by Aoki as a Sound of Hope frequency, so I subtract 1390 from it to see what I get: 9850 --- therefore, an external mixing product overloading the R-75 between powerful RHC and local blaster KCRC. I should have compared to audio of those two if I had figured this out in time (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 12026.830??? Distorted Radio signal, S=7-8 scratching, at 0015 UT June 23 some Arabic music. Sirjan Iran of 12025 kHz? Some distorted Radio Cairo on odd 12070.5 kHz {or spurious?} equal like FEBC Iba site in PHL in Chinese, latter on 12069.974 kHz. S=8 in Germany. Spur signals each approx. 13 kHz apart distance between 11918 and 12038 kHz, terrible garden fence like spurs visible. 0030 UT June 23 (Wolfgang B,schel, wwdxc BC-DX TopNews June 22 / 23, dxldyg via DX LISTENING DIGEST)

UNIDENTIFIED. 13561.95-CW, June 27 at 0123, bipper at the steady rate of 100 per minute. Not hearing any HIFER beacons with IDs lately, but maybe this match parameters of something I have not been able to find reported or listed. Ideas? (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 15016.0-USB, June 24 at 0131, tune-in just in time to hear last word of a US military secret message, ID and off: ``. . .Uniform, This is Ricochet, out`` to 0132*. Quite by chance, I run across Ricochet again on 6739.0-USB, June 24 at 0203, S9+30 during long alfanumeric message, which he then says again, so I copy it completely, as given in fonetix without pauses or groupings:

``SAAGWUESGHDZXI6WZ3QYCD70YFZ2S2 --- this is Ricochet, out`` to 0105* So this was a different one than on 15016, ending in U (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. We've had lots of sporadic-E openings on 10 m lately mainly from Greece and Italy, but also from other parts of Europe. I noted a quite strong but slowly fading carrier on 25 MHz [25000 kHz], but without any audible modulation (unlike the "MIKES" Time Signal Station from Finland). Has anyone heard it, too? Not always on, but heard for several hours on different days. Based on other signals audible at the same time, I suppose it may be from Italy. I had the impression it was very slightly off to the high side, so could this be possibly ItalCable testing yet another transmitter (just a rough guess)? Recorded e.g. on 2016-06-19 at 1017z. Thanks Glenn and good listening, (Tobias (T≤), Germany, 2016-06-28, DX LISTENING DIGEST)

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UNSOLICITED TESTIMONIALS

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ACKNOWLEDGED ON WORLD OF RADIO 1832:

Thanks for WOR (Bill Richards, Adelaide. South Australia, with a contribution in Au\$ via PayPal to woradio at yahoo.com)

Also one may contribute in by check or MO in US funds on a US bank to P O Box 1684, Enid OK 73702.

None of your damn business what I said! Mr Hauser, you are the biggest sucker of all (Brother Scare, replay of attack on yours truly, heard June 27 at 0050)

[continued from CUBA [and non]] I am concerned that in a way you are following the trends of anti-Cuban comments that are coming from that hole in Oklahoma that is constantly harrasing and sending aggressive posts against Cuba!!!! My advice: Try to keep yourself as an individual professional not as a follower of an non qualified person that has no professional qualifications. From sunny La Habana (Prof. Arnaldo Coro Antich, via Ivo Ivanov, DXLD)

The contempt is mutual. I am not making things up when I log and report countless self-caused problems with RHC transmissions, which often cause collateral damage (just as I do for USA stations when they occur. It's called honest journalism). Non-professional? Well, I do have 60 years' experience in shortwave monitoring, in the real world.

Arnie accusing me of ``anti-Cuban`` comments, is another BIG LIE --- he would have us believe that the Castro regime is identical to Cuba. Opposing the regime is forbidden inside Cuba, but those of us who oppose it from abroad are nothing but PRO-CUBAN, and that includes the exile broadcasters, who are of course themselves, CUBAN!

It is the Cuban PEOPLE who deserve to be FREE from the dictatorial regime imposed on them by FORCE so long ago. Yet, in American terms I am a leftist, and would support certain aspects of socialism, but the Cuban Commies RUINED it. By ABOLISHING human rights to implement it!

BTW2, the presence of ``anti-Chinese`` broadcasters in HFCC does not keep the ChiCom from participating (altho they do manage to ban Taiwan); in fact they take advantage of HFCC in order to facilitate jamming of countless broadcasts, more accurately than Cuba can achieve.

This is unavoidably personal, because Arnie justifies jamming and no doubt in his frequency-management role helps to implement it (tho he NEVER discusses that). Some of my broadcasts are jammed, thanks to Arnie's collusion. If he and his henchmen ever had enough confidence in the unelected regime to allow dissent, this would be a very different situation (Glenn Hauser, DX LISTENING DIGEST)

#### PUBLICATIONS

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#### AWR QSL CARDS

Adventist World Radio is issuing a new QSL card at the time of the Wavescan 2016 Grand Finale DX Contest. The contest for this year invites listeners to tabulate their AWR QSL cards, one for each shortwave site. Full contest details can be obtained from many sources, including an internet search for Wavescan DX Contest 2016. Each entry for this year's contest will receive the special new postage stamp honoring the 200th anniversary of Indiana statehood.

In addition, if any listeners are needing QSL cards for outstanding AWR reports not yet verified, reports may be submitted to the address below during the two month time period, August & September.

A special postal address has been opened for the occasion and it will be available only during the months of August and September, 2016.

This temporary postal address is:-

Adventist World Radio  
Grand Finale DX Contest  
Box 771  
Bloomington  
Indiana 47402-0771 USA

-- (Adrian M. Peterson, June 28, DX LISTENING DIGEST)

#### CONVENTIONS & CONFERENCES

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#### MADISON-MILWAUKEE GTG SATURDAY AUGUST 20

The 23rd annual Madison-Milwaukee Get-together for DXers and Radio Enthusiasts will be held on Saturday August 20 from 1:00 to 9:30 PM CDT. This year's location is Madison WI and your hosts are Bill Dvorak and Mark Taylor. For only the third time in get-together history the venue is a park, this time beautiful and spacious Lake Farm County Park, 4330 Libby Road, Madison WI 53711. For further information please e-mail Bill at [dxerak@gmail.com](mailto:dxerak@gmail.com) or Mark at [markokpik@gmail.com](mailto:markokpik@gmail.com) (please include "Madison DX Get-together" in the subject line).

To get a taste of last year's event held in Oak Creek WI, let us direct you to GTG attendee Dave Legler's Flickr photo album of it and see how many NRC members you recognize:

[https://www.flickr.com/photos/dave\\_legler/sets/72157659027189280](https://www.flickr.com/photos/dave_legler/sets/72157659027189280)

Participation by NRC members is strong every year for this event and this year should be no exception. We hope you can join us! See you on August 20! (NRC DX News July 4 via DXLD)

#### 2016 DXERS GATHERING, KANSAS CITY, SEPTEMBER 9-11

DXers in AM, FM, and TV, including the NRC, IRCA, WTFDA, and DecaloMania will gather on September 9-11, 2016 in Kansas City, MO. Plan to arrive on Thursday for 3 nights, and we end Sunday at noon. The Gathering will be held at the Hyatt Place Kansas City Airport, 7600 NW 97th Terrace. To reserve your hotel room, call 1-816-891-0871 x3 and ask for the Group Rate for the National Radio Club, group code G-NRCC. The deadline for hotel reservations is August 18. Rates are \$99.00 per night for 1 to 3 persons per room, plus taxes and fees. Free airport transfers and breakfast each morning.

Registration: \$55 per person which includes a free Friday evening pizza party and Saturday evening banquet. Checks made payable to iNational Radio Club and sent to Ernest J. Wesolowski, 13312 Westwood Lane, Omaha, NE 68144-3543. Please mention which club(s) you

belong to for club treasury info. Dale Hamm W5LN and Ernie are your hosts.

On Friday, we'll start with free breakfast in the hotel lobby at 8:30, then off to tours at 9 a.m., starting with WDAF-TV-4. The afternoons will include a tour of the Truman Presidential Library, and there will be a pizza party in the evening.

Saturday morning we'll have some itech talks: Mark Durenberger iSquare Kilometer Array, Randy Schulze iNebraska FCC Monitoring Station Grand Island, Nick Hall-Patch iAntenna Alternatives, Dave Fischer/Skip Dabelstein iBeverages & NEBe, and Mike Lantz iMiami Radio are scheduled at the moment. A group of radio music survey collectors will be joining us to make a presentation in the meeting room on Saturday afternoons.

Saturday night will be the banquet: the menu includes Italian roast beef, chicken marsala, classic twice-baked potatoes, green beans Ceasar, peach cobbler, dinner rolls, garden salad, and bottled waters & sodas. This will be followed by the NRC business meeting and the usual auction. On Sunday morning we have the Gathering Quiz, and the Gathering ends at noon (NRC DX News July 4 via DXLD)

DIGITAL BROADCASTING --- DTV See also MEXICO; OKLAHOMA  
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BROADCAST DIGITAL TV : ATSC 3.0

Just some interesting FYI digital broadcast TV stuff here.

iWRAL launches first ATSC 3.0 station in the US (experimental license)

<http://www.tvnewscheck.com/article/95854/first-again-wral-launches-atsc-30-service>

Other Useful Links :

[https://en.wikipedia.org/wiki/ATSC\\_standards#ATSC\\_3.0](https://en.wikipedia.org/wiki/ATSC_standards#ATSC_3.0)

<http://www.cnet.com/news/atsc-3-0-what-you-need-to-know-about-the-future-of-broadcast-television/>

<http://atsc.org/newsletter/atsc-3-0-where-we-stand/>

<http://www.consumerreports.org/cro/news/2015/07/tv-tuner-stop-working/index.htm>

Regards, (Dave Zantow N9EW0, June 29, DX LISTENING DIGEST)

DIGITAL BROADCASTING --- DRM See INDIA; NEW ZEALAND; TAIWAN; USA

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## RADIO EQUIPMENT FORUM

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HOW MUCH HAVOC IS CAUSED BY UNWANTED RADIO SIGNALS? FCC TRIES TO FIND OUT --- arstechnica.com By Jon Brodtkin June 22, 2016

The US Federal Communications Commission is trying to figure out exactly how much trouble is being caused by radio noise.

Many devices emit radio frequency energy that could interfere with radio services and increase the "radio spectrum noise floor," essentially the sum of all unwanted signals. The FCC is planning to study changes to the noise floor from human-made sources over the past 20 years.

It's commonly believed that "the noise floor in the radio spectrum is rising as the number of devices in use that emit radio energy grows," but the FCC said it hasn't found much quantitative data to support this presumption. As a first step toward the FCC producing such a study, the commission last week asked the public for input on the proper design of the study and input on the problem itself.

While there are already regulations limiting RF energy emissions, not all devices are regulated equally. The FCC inquiry notes that "incidental radiators" face little regulation and asks, "what sorts of government, industry, and civil society efforts might be appropriate to ameliorate the noise they produce?"

"Radio spectrum noise is generated by many different types of devices. Devices that are not designed to generate or emit RF energy but do so as a result of their operation are called Incidental Radiators," the FCC said.

"Most electric motors, light dimmers, switching power supplies, utility transformers and power lines are included in this category. There is little regulation governing the noise generated by these devices. Noise from such sources is expected to be minimized with 'Good Engineering Practices.'"

The FCC mentioned several other classes of devices that can increase the noise floor. One category is "unintentional radiators" such as computers, portable electronic devices, and high-efficiency lights, which "send RF signals by conduction to associated equipment via connected wiring, but are not intended to emit RF energy." There are regulations limiting the levels of RF energy that can be emitted from these devices.



There are also devices that are "designed to generate and emit RF energy by radiation or induction." Cellular phones and base stations, wireless routers, Bluetooth devices, broadcast TV and radio stations, radars, microwave ovens, arc welders, and fluorescent lighting all fall in this category.

Despite regulations covering these devices, "Such emitters contribute to the noise floor with emissions outside of their assigned frequencies," the FCC said. "These are sometimes generated as spurious emissions, including, but not limited to, harmonics of desired frequencies and intermodulation products."

After this description, the FCC public notice asks a series of questions, such as what are the most likely major sources of noise, what radio services are being affected the most by a rising spectrum noise floor, and at what levels does the noise floor cause harmful interference to particular radio services. The FCC further asks what frequency bands are of most interest, whether the problem is most pronounced indoors or outdoors, whether cities or rural areas are most problematic, and whether noise varies by season or time (night vs day). Finally, the FCC asks for specific ideas on how to conduct a noise study.

Responses can be submitted here (make sure to specify the proceeding number, 16-191). The first comment comes from a longtime ham radio operator named William Gray, who says that interference in the past few years has "gotten much worse." Gray said that amateur radio services are "easily overwhelmed" by noise because they need to receive low-strength signals.

Radio noise floor is likely rising, but we don't know how much.

<http://arstechnica.com/information-technology/2016/06/how-much-havoc-is-caused-by-unwanted-radio-signals-fcc-tries-to-find-out/>

Posted by: (Mike Terry, June 27, dxldyg via DXLD)

Re: FCC ADVISORS TACKLE NOISE FLOOR ISSUES

I'm not really getting my hopes up, but I do hope they do SOMETHING to tackle the noise floor, not just in the MW broadcast band, but across the spectrum.

As I was reading the article, I was thinking --- they should of course measure noise in a major city downtown area (like L.A., NYC, or Las Vegas), and also measure it in some remote place like western Texas or north central Nevada. Also, take care NOT to measure when there's any thunderstorm activity within range of propagation, if at all possible. (If possible, I'd also suggest measuring somewhere out in the middle

of the ocean, with the vessel's power completely off, using battery / DC power for the measuring devices.)

Also, if a test like this could be done someplace, measure the noise level in a moderately noisy city area under normal conditions, then have the utilities briefly shut off power completely, and measure the noise again.

Personally, I'd like to see noise levels in major cities be brought down to the level of what they would be with the noisemakers shut off, or what it's like in rural areas.

I've heard it said that with current noise levels, signals under 10 mV/m (or higher) usually aren't listened to in a major city. If manmade noise could be brought under control, could that minimum usable level for public listening be brought down to, say, 10  $\mu$ V/m, or even 1  $\mu$ V/m in the MW band?

Or, what would be the limit cause by atmospheric noise under ideal conditions? For example, what's the noise floor, and how many dB above the noise floor would a signal need to be for a non-DXer to not consider it objectionable? 73, (Stephen [Ponder?], June 25, ABDX via DXLD)

## RADIO FREQUENCY LED LIGHTING PRODUCTS

Federal Communications Commission  
Office of Engineering and Technology  
Laboratory Division  
June 17, 2016

### INTRODUCTION

Radio frequency (RF) light-emitting diode (LED) lighting products are subject to FCC rules to ensure that devices do not cause harmful interference to radiocommunications services.

This KDB publication clarifies how the FCC rules apply to these products, and outlines manufacturers' responsibilities for controlling interference. This publication does not address older legacy lighting technologies such as incandescent, fluorescent, and high intensity discharge (HID) lighting products.

For the purpose of this publication, the term RF LED lighting is used for a device which has the primary function of generating light by electrically powering semiconductor materials. Such light generation is commonly intended for general illumination, and also includes other applications such as traffic signaling, roadway lighting, manufacturing processes, agriculture, etc.

RF LED lighting devices intentionally generate RF energy via electronic power conversion or digital circuitry, but are not intended to radiate RF energy by radiation or induction and thus they are classified as unintentional radiators according to the FCC rules.

RF LED lighting products today employ single or multiple LED chips, but can also include organic LEDs (OLEDs), polymer OLEDs, quantum dots, etc. In most cases, RF LED lighting devices employ either an independent or an integrated electronic driver that operates at RF frequencies similar to those used in digital electronic products. As such, RF LED lighting devices are subject to the Part 15 rules for unintentional radiators, and are subject to the verification equipment authorization procedure.

These devices are required to meet the line - conducted and radiated emissions limits in Sections 15.107 and 15.109, respectively. With this KDB publication, we further clarify that RF LED lighting devices are subject to Section 15.109 radiated emission limits from 30 MHz to 1000 MHz to ensure overall compliance with radiated emissions requirements. . . [more, with footnotes]

[https://apps.fcc.gov/kdb/GetAttachment.html?id=K0pZdRE7biF3aag04XZ8cw%3D%3D&desc=640677%20D01%20RF%20LED%20LIGHTING%20v01&tracking\\_number=20518](https://apps.fcc.gov/kdb/GetAttachment.html?id=K0pZdRE7biF3aag04XZ8cw%3D%3D&desc=640677%20D01%20RF%20LED%20LIGHTING%20v01&tracking_number=20518)

(FCC via July WTFDA VHF-UHF Digest, gh searched out link, via DXLD)

## PROPAGATION

+++++

## HOW TO METEOR SCATTER DX ON FM

Another DX'er mentioned that some might use FM antennas close to the ground to reduce signal strength from locals and regionals. Can anyone tell me more about this? How large are the antennas, how high are they mounted, etc?

Any other advice on being successful at MS on the FM band? I have to do something to increase my totalsóe-skip has been virtually a no-show this year (Les Rayburn, AL, WTFDA gg via DXLD)

Les, while I'm not going to claim to be a MS King, I have logged over 100 FM stations via meteor scatter, mostly from when I lived in Colorado. While I had an APS 13 at 30' for regular FM dxing, I had a five element yagi dedicated for MS DXing, mounted four feet above the ground, in a five gallon bucket of concrete. The mast was set to a 10-15 degree pitch before the fresh concrete set in the bucket. I kept it in a corner area of my privacy fenced backyard. Neighbors couldn't

even tell it was there. It was very easy to go and reposition it if I wanted the antenna beam facing a different direction.

I can tell you from 30 years experience in chasing after FM MS, if you want to be successful with meteor scatter DXing, you have to get the antenna low enough to the ground so that ground radiation will absorb as much of the local FM RF as possible. Most FM MS runs on a vertical pattern (NE-SW; NW-SE), although you can position FM antenna for what works for you best.

It helps to be familiar with where the radiant in the sky is for a particular meteor shower that you are interested in working, as this will dictate the direction of the meteors. They could be traveling towards your QTH, away from your QTH, or parallel to your QTH. In each scenario, it will affect how much signal the antenna receives. Also remember, IF you are trying to record MS events (periods of time for occurring meteor showers), the best time of day is 2AM-10AM for night time showers and 8AM-3PM for daytime showers.

Also, you want to capitalize on the earth's revolution into the comet debris field (core center of the meteor scatter debris). You need to also become familiar with which meteor showers produce the slowest velocity meteors and which ones are known to produce fireballs. JUST BECAUSE a meteor shower yields a high hourly rate does not indicate it would necessarily be a good candidate for meteor scatter DXing.

Case in point - a meteor shower that is known to have a meteor velocity of 25/kps and only 15 m/avg per hour, would be a better choice for meteor scatter DXing than a meteor shower with a meteor velocity at 70/kps and 50 m/avg per hour. The point being, the slower meteors create more burn when entering the Earth's atmosphere and are readily known as \*trains\*. These meteor burns can last upwards of a minute or two and sometimes reflect signals from two or three stations as it crosses the sky.

There are a lot of small details and nuances of this aspect of FM DXing in general. IF you are interested in discussing this even more, feel free to email me (Jim Thomas, Springfield, Missouri, WTFDA gg via DXLD)

#### SOLAR FLUX INDEX VS GEOMAGNETIC ACTIVITY

I have recently found an old book of mine from around 1980 ('Shortwave Listener's Guide' by H. Charles Woodruff) that had the following chart in it. I had remembered this chart but couldn't find it anywhere on the internet and I think it rather puts the solar-terrestrial indices in a context with overall HF conditions in a quick and dirty way.

Shortwave Log : Photo

<http://swldx.tumblr.com/image/146267312382>

The Three values listed on the graph (Solar Flux, Ap, and K indices) are precisely what WWV(H) reports at 18 minutes past the hour and in the following URL:

<ftp://ftp.swpc.noaa.gov/pub/latest/www.txt>

One has to keep in mind during the ebbing of the solar cycle that the conditions will steadily improve with time when the geomagnetic field is quiet, and that rate is quicker with higher values of Solar Flux. Also, with lower Solar flux values (according to this graph, below 140) it doesn't take much Geomagnetic activity to quickly degrade overall conditions (Rodney Johnson, NV, June 24, dxldyg via DXLD)

#### SUNSPOTS VANISH, AGAIN

For the second time this month, the solar disk is blank -- no sunspots. This image of the sun taken by NASA's Solar Dynamics Observatory on June 24th shows zero dark cores:

What does this mean? The solar cycle is like a pendulum, swinging back and forth between periods of high and low sunspot number every 11 years. Today's blank sun is a sign that the pendulum is swinging toward low sunspot numbers. In other words, Solar Minimum is coming.

Forecasters expect the next Solar Minimum to arrive in 2019-2020. Between now and then, there will be lots of spotless suns. At first, the blank stretches will be measured in days; later in weeks and months. When the sunspot cycle reaches its nadir, a whole year could go by without sunspots.

However, don't expect space weather to go away. Solar Minimum brings many interesting changes. For instance, as the extreme ultraviolet output of the sun decreases, the upper atmosphere of Earth cools and collapses. This allows space junk to accumulate around our planet. Also, the heliosphere shrinks, bringing interstellar space closer to Earth. Galactic cosmic rays penetrate the inner solar system -- and Earth -- with relative ease.

Indeed, a cosmic ray surge is already underway. Cosmic rays can seed clouds, trigger lightning, and penetrate commercial airplanes. Our measurements show that someone flying back and forth across the continental USA, just once, can absorb as much ionizing radiation as 2 to 5 dental X-rays. This exposure will increase as Solar Minimum deepens.

<http://spaceweather.com/>

Posted by: (Mike Terry, June 25, dxldyg via DX LISTENING DIGEST)

THE SUN HAS 'GONE BLANK' FOR THE SECOND TIME THIS MONTH: WHAT THAT MEANS -- Washington Post By Angela Fritz and Joe Kunches June 27, 2016

The sun is blank for the second time in less than a month ó not a single dark sunspot mars its surface. Itís a sign our star is entering a new period of decreased activity ó one that will continue to last for about five years. But, despite the overall decline, history has proven that some of the largest solar storms in memory can occur when sunspots appear to be ebbing.

The sun is a volatile star. Its surface changes on a 11-year solar cycle that oscillates between periods of increased and decreased sunspot production. Sunspots are dark areas on the surface of the sun that indicate intense magnetic activity ó so strong, in fact, that it inhibits solar convection and thus reduces the temperature of the sun in that location. Sunspots can be just a few miles wide, but the largest can span 100,000 miles in diameter, or more than 12 Earths across. These massive spots can be seen on the surface of the sun without a telescope, and they can be just half as hot as their surroundings.

Sunspots are not just something for scientists to observe and track; their fluctuating existence has huge implications for our environment and technology here on Earth.

[Could a weakening sun cancel global warming? No.]

[https://www.washingtonpost.com/blogs/capital-weather-gang/post/could-a-quiet-sun-cancel-global-warming/2013/02/28/156b9f3e-81c8-11e2-a350-49866afab584\\_blog.html](https://www.washingtonpost.com/blogs/capital-weather-gang/post/could-a-quiet-sun-cancel-global-warming/2013/02/28/156b9f3e-81c8-11e2-a350-49866afab584_blog.html)

Sunspots are simply the observable sign of strong solar magnetic fields. Sometimes they are stable, and other times they are explosive. These reservoirs of strong magnetic field can fuel solar flares and coronal mass ejections that lead to radiation storms and geomagnetic storms on Earth that have the potential to drop-kick our modern way of life back to the stone age. It is a space weather forecasterís job to determine if and when these storms will arrive so that ó with enough warning ó we can implement safeguards on our technology to prevent failure and lasting damage...

More of this article here:

<https://www.washingtonpost.com/news/capital-weather-gang/wp/2016/06/27/the-sun-has-gone-blank-for-the-second-time-this-month-heres-what-that-means/>

Posted by: (Mike Terry, dxldyg via DXLD)

SUN HAS LIKELY ENTERED NEW EVOLUTIONARY PHASE, SAY ASTRONOMERS

Solar cycles changing? --- Bruce Dorminey, Contributor, I cover over-the-horizon technology, aerospace and astronomy. Opinions expressed by Forbes Contributors are their own.

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future Sun, the authors note, is expected to not only have few if any sunspots, but also less coronal mass ejections

Metcalfé thinks that there may even be a link to the onset of our Sun's middle age and the evolution of life on Earth.

The Sun has likely already entered into a new unpredicted long-term phase of its evolution as a hydrogen-burning main sequence star ó one characterized by magnetic sputtering indicative of a more quiescent middle-age. Or so say the authors of a new paper submitted to The Astrophysical Journal Letters.

Using observations of other sunlike stars made by NASA's Kepler Space Telescope, the team found that the Sun is currently in a special phase of its magnetic evolution.

Heretofore, the Sun was thought to have been just a more slowly rotating version of a normal yellow dwarf (G-spectral type) star. These results offer the first real confirmation that the Sun is in the process of crossing into its magnetic middle age, where its 11-year Sunspot cycles are likely to slowly disappear entirely. That is, from here on out, the Sun is likely to have fewer sunspots than during the first half of its estimated 10 billion year life as a hydrogen-burning star.

The Sun's 11-year sunspot cycle is likely to disappear entirely, not just get less pronounced; [since] other stars with similar rotation rates show no sunspot cycles, Travis Metcalfe, the paper's lead author and an astronomer at the Space Science Institute in Boulder, Colo., told me. . .

<http://www.forbes.com/sites/brucedorminey/2016/06/27/sun-has-likely-entered-new-evolutionary-phase-say-astronomers/#394283ba278e>

(via Russ Edmunds, 15 mi NW Phila, Grid FN20id, IRCA via DXLD)

Thanks for posting this, Russ. Yet another take is the following:

<http://www.earth-syst-dynam-discuss.net/esd-2015-30/>

(a link to the full paper can be found in the upper right corner of the page). A précis and discussion is at

<https://judithcurry.com/2016/06/27/are-we-headed-for-a-new-solar-minimum/>

These links look at this from the perspective of the sun's effect on climate, but a quietening sun, periodic or otherwise, is of interest to DXers. best wishes, (Nick Hall-Patch, BC, ibid.)

E-SKIP 2016

The link below is very interesting:

<http://www.vencoreweather.com/blog/2016/6/23/1015-am-the-sun-goes-blank-again-during-the-weakest-solar-cycle-in-more-than-a-century>

It claims this is the weakest solar cycle in more than 100 years, and that June has been unusually quiet. That said, I have had some decent new catches on the few Es days so far (Mike Hunter, W2MHZ, Neshanic Station, NJ, WTFDA gg via DXLD)

There has been a lot of debate over the years with one side denying any link at all between Es and the sunspot cycle. The same group also denies any link between Es and strong storm fronts. The other side claims that the Es events which immediately precede or follow or accompany one or both of these things can't possibly be a repeating coincidence. I suppose the conclusion to be drawn here is that we just don't know (Russ Edmunds, Blue Bell, PA, ( 15 mi NW of Philadelphia ), ibid.)

Despite our cries for lack of Es this season, to me that's part of the mystery and allure of it. We are all data loggers, providing valuable information (or lack thereof). There is one thing for certain, and that is the term for the propagation. Sporadic it certainly is, predictable beyond seasonal it certainly is not. The radios will be recording and monitoring will continue here through mid August (Steve K3PHL, near Alentown PA, ibid.)

My question is: Are people posting less on this list and more in the other WTFDA outlets or is it just a catastrophic year for E-skip (so far anyway?). (Charles Gauthier, QuÈbec, June 25, WTFDA gg via DXLD)

Yes, there is less activity on this list than there used to be. Back in the day this was the main place to post DX but it's not anymore. WTFDA members post DX on the Facebook group now because it's so easy to do pictures and video there and there are almost 500 people there now.

WTFDA Facebook Group: <https://www.facebook.com/groups/175722809234221/>

There are some members who only post on the Forums. Then there's a group of people who post on the WTFDA Bulletin Board. And then some post on that other logger and only on that other logger. We are scattered all over the place. Who would have thought it would be this way back in 1980. And most of the logs that people get never make their way into the VUD. But that's another subject.

Catastrophic year? IBOC is a catastrophe. All these flipping



translators and LPFMs they threw on the FM Band are catastrophes. These are a couple of reasons that there's less DX reported. And then there's the lack of propagation the past few years. Charly, remember those years when you had FM E skip night after night around midnight? And on the TV end of it all, the end of analog is a catastrophe. First it was USA and Canada and now Mexico. How many DXers have thrown in the towel for those reasons. I'd say quite a few and I know some.

In my case, FM DXing isn't the fun it used to be. It and TV DXing are more frustrating. I can't wait to see what happens after repacking.  
(Mike Bugaj, Enfield, CT, WTFDA gg via DXLD)

It's a combination. Except for a few, the conditions have been awful for Es. But most of the postings during openings have migrated to the WTFDA Bulletin Board  
<http://wtfdadxb.vci.net/index.php>  
(Russ Edmunds, ibid.)

#### SWPC SWITCHES SATELLITES FOR PROPAGATION DATA

Beginning at Noon EDT (1600 UTC) on Wednesday, July 27, 2016, SWPC will start using data from NOAA's Deep Space Climate Observatory (DSCOVR) spacecraft in its operations. This data will replace the data currently provided by the ACE satellite. Details can be found on the SWPC website (SWPC NOAA via DXLD)

:Product: Weekly Highlights and Forecasts  
:Issued: 2016 Jun 27 0346 UTC  
# Prepared by the US Dept. of Commerce, NOAA, Space Weather Prediction Center  
# Product description and SWPC contact on the Web  
# <http://www.swpc.noaa.gov/weekly.html>  
#  
# Weekly Highlights and Forecasts  
#  
Highlights of Solar and Geomagnetic Activity 20 - 26 June 2016

Solar activity was very low during the entire summary period with only B-class flare activity observed. No Earth-directed CMEs occurred. No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit reached high levels on 21-22 Jun and 25-26 Jun following coronal hole high speed stream events. Normal to moderate levels were observed on the remaining days.

Geomagnetic field activity was quiet on 20-21 Jun. Mostly quiet conditions were observed early on 22 Jun but activity increased

after 22/1800 UTC due to enhanced solar wind parameters and unsettled to minor storm levels were observed. Quiet to unsettled conditions with isolated active periods were observed on 23-24 Jun due to negative polarity CH HSS effects. Quiet to unsettled conditions were observed on 25-26 Jun with an isolated period of active conditions observed from 26/2100-2400 UTC due to CH HSS effects.

#### FORECAST OF SOLAR AND GEOMAGNETIC ACTIVITY 27 JUNE - 23 JULY 2016

Solar activity is expected to be very low throughout the forecast period with a slight chance for C-class activity. No proton events are expected at geosynchronous orbit. The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at high levels from 27 Jun to 01 Jul following CH HSS effects. Normal to moderate levels are expected on 02-03 Jul as a CIR redistributes electrons. High levels are expected to return from 04-07 Jul following a recurrent CH HSS. Moderate levels are expected from 08-21 Jul followed by moderate to high levels on 22-23 Jul following another recurrent CH HSS.

Geomagnetic field activity is expected to begin at unsettled to active levels but decrease to mostly quiet levels by midday on 27 Jun and remain quiet through 29 Jun. Quiet to unsettled conditions are expected from 30 Jun to 05 Jul with isolated active conditions possible on 03 Jul due to a recurrent negative polarity CH HSS. Quiet conditions are expected on 06 Jul. Quiet to unsettled conditions are expected from 07-12 Jul with minor storms possible on 11 Jul and active periods likely on 12 Jul due to effects from a recurrent positive polarity CH HSS. Mostly quiet conditions are expected to return from 13-18 Jul with unsettled periods possible on 14-15 Jul. Quiet to unsettled conditions are expected on 19-21 Jul due to negative polarity CH HSS effects with an isolated active period likely on 19 Jul. Quiet conditions are expected for the remainder of the period.

:Product: 27-day Space Weather Outlook Table 27D0.txt

:Issued: 2016 Jun 27 0346 UTC

# Prepared by the US Dept. of Commerce, NOAA, Space Weather Prediction Center

# Product description and SWPC contact on the Web

# <http://www.swpc.noaa.gov/wwire.html>

#

# 27-day Space Weather Outlook Table

# Issued 2016-06-27

#

| # | UTC         | Radio Flux | Planetary | Largest  |
|---|-------------|------------|-----------|----------|
| # | Date        | 10.7 cm    | A Index   | Kp Index |
|   | 2016 Jun 27 | 77         | 10        | 4        |

|             |    |    |   |
|-------------|----|----|---|
| 2016 Jun 28 | 80 | 5  | 2 |
| 2016 Jun 29 | 80 | 5  | 2 |
| 2016 Jun 30 | 80 | 10 | 3 |
| 2016 Jul 01 | 80 | 8  | 3 |
| 2016 Jul 02 | 80 | 8  | 3 |
| 2016 Jul 03 | 80 | 12 | 4 |
| 2016 Jul 04 | 80 | 10 | 3 |
| 2016 Jul 05 | 82 | 8  | 3 |
| 2016 Jul 06 | 82 | 5  | 2 |
| 2016 Jul 07 | 82 | 8  | 3 |
| 2016 Jul 08 | 82 | 10 | 3 |
| 2016 Jul 09 | 82 | 10 | 3 |
| 2016 Jul 10 | 82 | 8  | 3 |
| 2016 Jul 11 | 80 | 20 | 5 |
| 2016 Jul 12 | 82 | 12 | 4 |
| 2016 Jul 13 | 82 | 5  | 2 |
| 2016 Jul 14 | 80 | 8  | 3 |
| 2016 Jul 15 | 80 | 8  | 3 |
| 2016 Jul 16 | 80 | 5  | 2 |
| 2016 Jul 17 | 80 | 5  | 2 |
| 2016 Jul 18 | 78 | 5  | 2 |
| 2016 Jul 19 | 78 | 15 | 4 |
| 2016 Jul 20 | 78 | 12 | 3 |
| 2016 Jul 21 | 78 | 10 | 3 |
| 2016 Jul 22 | 78 | 5  | 2 |
| 2016 Jul 23 | 78 | 5  | 2 |

(SWPC via WORLD OF RADIO 1832, DXLD)

#### GLENN'S PROPAGATION OUTLOOK FOR MEDIA NETWORK PLUS AS OF JUNE 30, 2016

Keith, Spaceweather.com says there were zero sunspots on June 24. SWPC says solar flux on June 28 was 74. RSGB says, as the solar flux index at sunspot minimum doesn't fall below about 66, this gives you some idea of the current state of the sun.

From IPS in Australia, the global HF propagation forecast thru July 2: normal to fair at low latitudes; poor to fair at middle and high latitudes.

From Spaceweather South Africa thru July 2: magnetic conditions unsettled, to active, to minor storm; shortwave fadeouts unlikely, MUF unstable.

From MetOffice UK, Solar activity at very low levels, negligible chance of significant flares. By late on July 2, an increase in geomagnetic activity is likely, to Active or G1/Minor storm levels.

F K Janda in Prague says the Geomagnetic field will be:

quiet on July 1, 16 - 17  
quiet to unsettled on July 2, 5, 18  
active to disturbed on July 3, 11, 19  
quiet to active on July 4, 7 - 9, 12  
mostly quiet on July 6, 10, 13 - 15,

From Natural Resources Canada, the 27 day magnetic activity forecast:  
greatest DRX in the auroral zone on July 3; in the polar zone, July  
15.

SWPC in Boulder says quiet to unsettled conditions are expected until  
July 5, with isolated active conditions possible July 3 with A and K  
indices of 12 and 4. Minor storms possible on July 11, A and K 20 and  
5; active periods likely July 12. An isolated active period July 19  
with 15 and 4. Lowest A's and K's of 5 and 2 or 8 and 3 on July 1, 2,  
5-7, 10, 13-18. Solar flux peaking at 82 July 5-13.

William Hepburn's VHF-UHF-Microwave maps predict extreme tropospheric  
ducting all week off Baja California, west Africa and Angola. Across  
the Gulf of Mexico on July 5. In the central Mediterranean off Tunisia  
until July 2, all week across eastern Mediterranean; extremely extreme  
all week all around the Arabian peninsula, as far as Pakistan (via  
DXLD) ###